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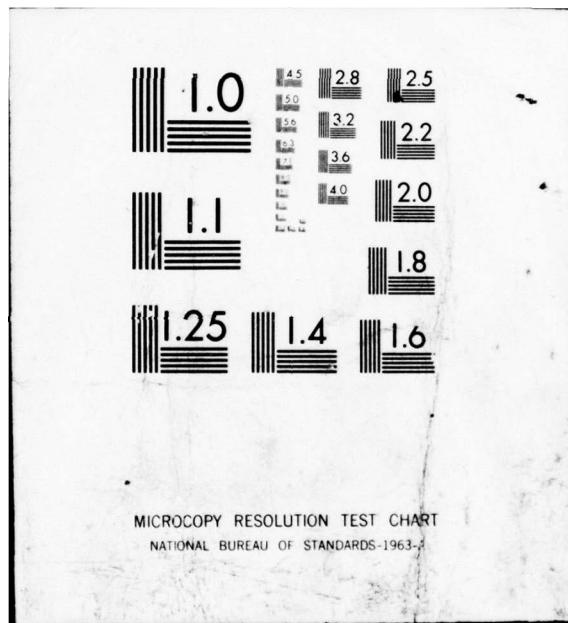


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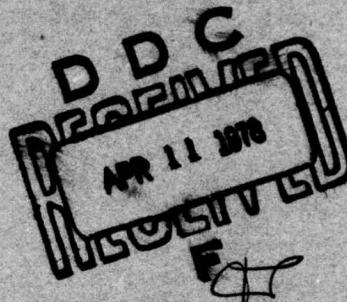
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FINAL REPORT  
ECP TREND ANALYSIS

December 1972



Prepared for  
NAVAL AIR SYSTEMS COMMAND, PMA-240  
WASHINGTON, D. C.  
under Contract N00019-73-C-0080

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Publication 1100-01-1-1197

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## ABSTRACT

This report presents the results of a study to determine if any relationships exist between logistics elements and Engineering Change Proposals (ECP). ECPs were analyzed and logistics impact was assessed. The costs associated with ECPs were also investigated.

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## **CHAPTER ONE**

### **INTRODUCTION**

↓ The purpose of this study, conducted for the Naval Air Systems Command, Headquarters, PMA-240, was to complete a trend analysis of the impact of Engineering Change Proposals (ECPs) on Weapons Systems Logistic Support for the P-3 aircraft. This objective was accomplished by two distinct types of logistic-impact assessments of each ECP. The first was an evaluation of whether the ECP had minimum, average, or maximum impact on spares support, and the second was a determination of whether or not the ECP did create an impact in publications, training, or ground support equipment. ↑

This report presents a discussion of the approach followed in the study and the results obtained, a review of data sources, the type of data collected, and the decision rules used in determining impacts (Chapter Two). It also includes a description of the analysis conducted, a synopsis of the data received, and a presentation of final results (Chapter Three). Conclusions and recommendations resulting from the study are also presented (Chapter Four). A computer listing of the data used in the study is presented in the appendix to this report.

## CHAPTER TWO

### STUDY APPROACH

The initial phase of the ECP trend analysis involved the specification of desired impact data and the identification of potential sources of these data. To complete the impact assessment effectively, it was decided that the following information would be required:

- ECP number
- Lockheed submission date (month, year)
- Affected aircraft (P-3A/B/C or a combination of the three)
- Affected-system description
- Change Control Board number
- Change Control Board date (month, year)
- Change Control Board action (approved, disapproved, canceled, rescinded, or withdrawn)
- Contract amendment date (month, year)
- Type of engineering change (airframe, avionics, power plant, etc.)
- Technical directive number
- Technical directive date (month, year)
- Incorporation status (forward fit only, or retrofit and forward fit)
- Estimated cost
- Description of engineering change, including considerations of impact on
  - .. Spares
  - .. Publications
  - .. Training
  - .. Ground support equipment

With these data elements selected, potential sources of information were identified. The first such source located was a partial set of ECP records at PMA-240, not containing any documentation of ECPs prior to number 370.

To document the earlier ECPs, the next data source investigated was a master log, prepared and maintained by the Lockheed-California Company, summarizing Lockheed-submitted ECPs. This record provided partial data on all Lockheed-submitted ECPs and provided invaluable information regarding the impact of the ECP on training and ground-support equipment; it also gave the Lockheed submittal date and retrofit information. However, the material was not adequate for a full evaluation of the logistic-system impacts on the elements of interest.

In a further attempt to obtain complete data, ARINC Research requested and received a copy of the Aeronautical Technical Directive Index. By using this, we were able to develop a cross-reference index between technical directive number, engineering change numbers, and type of change (e.g., airframe, avionics). The final document, used primarily as a cross reference, was the P-3C Weapon System Configuration Status Accounting Report. By using this list, it was possible to complete a check of Change Control Board numbers, ECP numbers, and the equipment affected.

With full utilization of the four data sources, it was still impossible to achieve complete data resolution. One type of data eliminated from the collection effort was the predicted cost of the ECP change. Only about one-quarter of the total ECPs contained an estimate of anticipated costs.

From the available data base, and with the assistance of knowledgeable P-3 personnel, logistic-impact assessments were made according to the following rules:

#### **Impact on Spare Parts**

- Minimum Impact. The ECP being reviewed results in no modification to existing sparing. It has no effect on the quantity of spares procured previously or on order.
- Average Impact. The ECP being reviewed results in a minor modification to existing spares-procurement policy. It does not require scrapping any portions of existing inventory.
- Maximum Impact. The ECP being reviewed results in a major modification to existing sparing policy. This modification can take one of the following forms:
  - .. Requirement to scrap portions of existing inventory
  - .. A change in spares procurement, necessitating additional spares purchases
  - .. A change in existing maintenance concept

**Impact on Training, Publications, and Ground-Support Equipment.** In these three areas, the prime consideration was an evaluation of whether the ECP did or did not have an impact on the specified area.

To facilitate quantitative analysis, the results of the data search and impact assessment were prepared for computer processing. The data cards and the computer program developed for these analyses are available upon request.

## **CHAPTER THREE**

### **DATA ANALYSIS**

This chapter outlines the type of analysis conducted in the study and describes the results obtained. The basic analysis method was to create frequency distributions that summarized, by time periods, the number of Engineering Change Proposals submitted by Lockheed Aircraft Corporation. These frequency distributions were developed by means of a computer program designed to output the trend information for all possible combinations of aircraft types, alternative base dates (LAC submission, CCB date, contract amendment date), and the various types of engineering changes (avionics, airframe, power plant, etc.). Upon completion of the data bank, it was determined that the only date with sufficient coverage available was the Lockheed submission date. Therefore, all frequency distributions were developed with only the Lockheed submission date as the common base date.

To acquire a general understanding of the magnitude of various types of engineering changes, the first computer runs were devoted to analyzing ECPs related to all P-3C aircraft and the following types of changes:

#### **Avionics Changes**

- Data processing/display
- Communications
- Navigation
- Acoustic sensors
- Nonacoustic sensors
- Total avionics changes

#### **Airframe Changes**

#### **Power-Plant Changes**

#### **All Others**

- Avionics armament
- Accessories
- Support equipment
- Aircrew systems
- Propellers
- Photographic
- Clothing and survival equipment
- Air-launched missile
- Target-control system

The output of this initial analysis was a set of frequency distributions, one set per type of change, showing the following:

- Cumulative number of relevant ECPs
- Percentage of these ECPs having maximum spares impact
- Percentage of these ECPs having average spares impact
- Percentage of these ECPs having minimum spares impact
- Percentage of these ECPs having publication impact
- Percentage of these ECPs having training impact
- Percentage of these ECPs having ground-support equipment impact

As a result of this initial investigation, it was determined that the available data were insufficient to permit separate consideration of the five categories of avionics, the power-plant changes, and the "all other" grouping. The next computer run was made to obtain a 15-year plot of total P-3 avionics and airframe changes. The results of these computer outputs showed no discernible trend over time of either total avionics or airframe changes. The next phase of the analysis was to split the total P-3 ECPs into two categories, P-3A/B and P-3C, and to determine the trend of total avionics and airframe changes for the two aircraft categories. This separation of the data — predicated on the knowledge that the P-3A and P-3C were nearly identical aircraft, while the P-3C was unique because of an almost complete change of avionics — created the opportunity to consider the impact of ECPs on two aircraft-development programs.

The outputs of this computer run, portraying the P-3A/B and P-3C as two separate aircraft, produced some interesting results. Since the P-3A/B is a mature weapon system, it is possible to make some definite conclusions about the trend of its ECPs. The P-3C has not attained the same level of maturity. However, it is possible to make a limited comparison between the pattern of P-3C ECP submissions and that of the P-3A/B, but no complete comparison can be made.

Table 1 shows, by date through 1970, the cumulative number of approved P-3A/B avionics and airframe ECPs submitted and the percentage of the final total represented by each entry. Table 2 lists the same data for approved P-3C avionic and airframe ECPs submitted. Figures 1 and 2 show the cumulative percentage of approved avionics and airframe ECPs for the P-3A/B and P-3C, respectively. The point at which the number of Lockheed-submitted ECPs levels off is near the end of 1966 (shown in Figure 1). This point has not yet been reached for the P-3C, as can be seen in Figure 2. Figures 3 and 4, respectively, depict the number of P-3A/B and P-3C approved airframe and avionics ECPs submitted per year.

In addition to the leveling out of ECPs submitted on the P-3A/B, it was interesting to note, for both avionics and airframe ECPs, that as the aircraft system matured, there was an increase in the relative number of ECPs having maximum impact on spares. This phenomenon is probably due to the fact that the spare parts had already been purchased for the P-3A/B. However, the absolute percentage having maximum impact never exceeded 10 percent for the P-3A/B, and the remainder of the submitted airframe and avionics ECPs were evenly split between average and minimum impact.

The P-3C exhibited a similar trend, with less than 10 percent of the airframe ECPs having a maximum impact on spares support. However, the P-3C avionics ECPs with

*Table 1. CUMULATIVE DISTRIBUTION OF P-3A/B  
APPROVED ENGINEERING CHANGE  
PROPOSALS*

Date	Avionics		Airframe	
	Number Submitted	Percent of Total	Number Submitted	Percent of Total
12/59	14	12	9	1
6/60	17	14	11	5
12/60	21	18	24	10
6/61	34	29	33	15
12/61	42	36	46	21
6/62	49	42	59	26
12/62	57	49	77	35
6/63	65	56	94	42
12/63	73	62	108	49
6/64	79	68	124	56
12/64	92	79	138	63
6/65	99	85	151	68
12/65	102	87	171	78
6/66	109	94	191	87
12/66	110	94	197	90
6/67	111	95	204	93
12/67	111	95	207	94
6/68	113	97	209	95
12/68	114	98	212	96
6/69	114	98	214	97
12/69	115	99	217	99
6/70	115	99	218	99
12/70	116	100	219	100

*Table 2. CUMULATIVE DISTRIBUTION OF P-3C  
APPROVED ENGINEERING CHANGE  
PROPOSALS*

Date	Avionics		Airframe	
	Number Submitted	Percent of Total	Number Submitted	Percent of Total
12/67	2	3	3	5
6/68	3	4	4	7
12/68	6	8	8	14
6/69	10	14	11	19
12/69	23	32	30	52
6/70	47	64	44	76
12/70	73	100	58	100

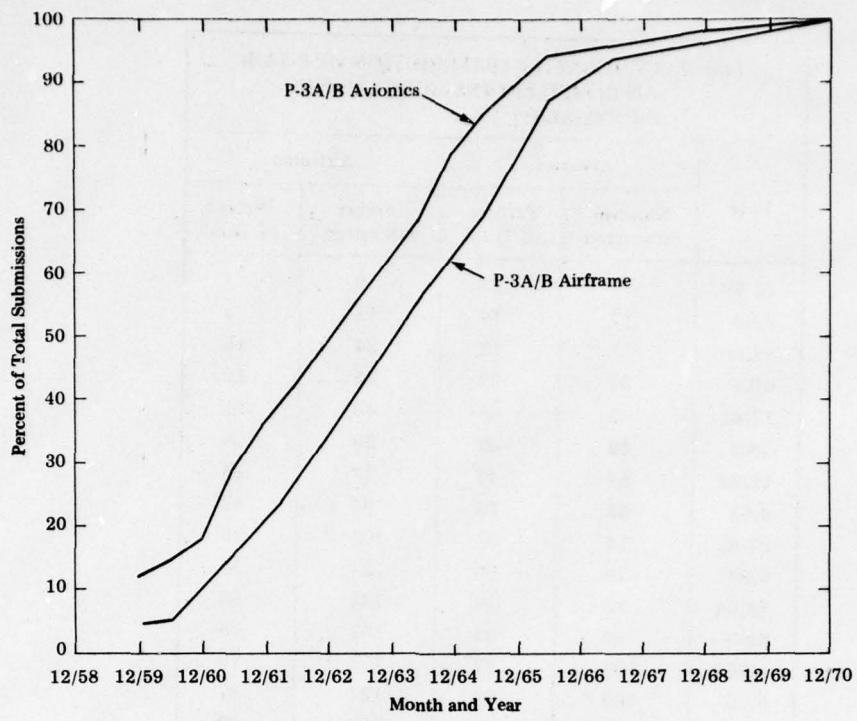


Figure 1. CUMULATIVE PERCENTAGE OF ECPS SUBMITTED PER YEAR FOR THE P-3A/B

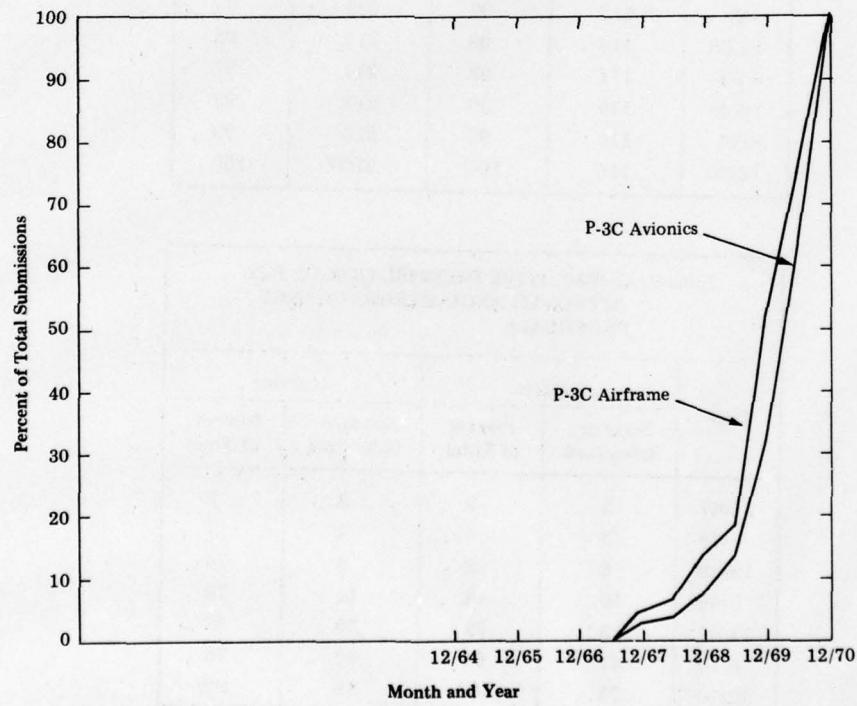


Figure 2. CUMULATIVE PERCENTAGE OF ECPS SUBMITTED PER YEAR FOR THE P-3C

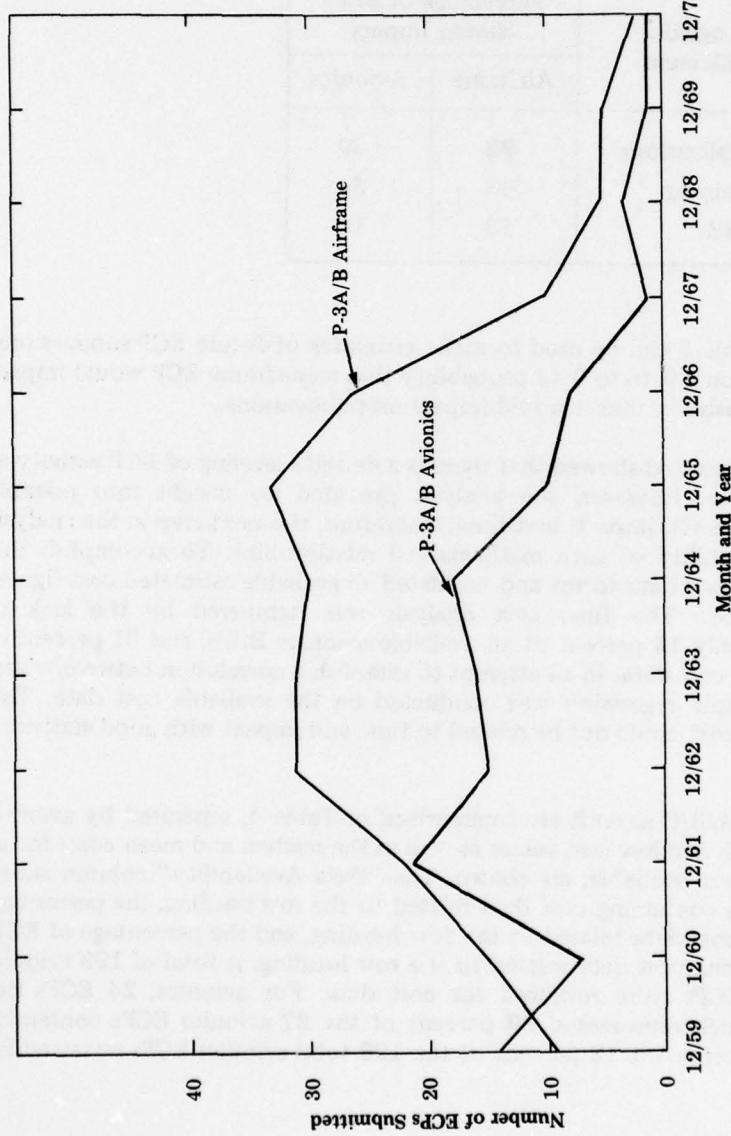


Figure 3. NUMBER OF ECPS SUBMITTED PER YEAR FOR P-3A/B

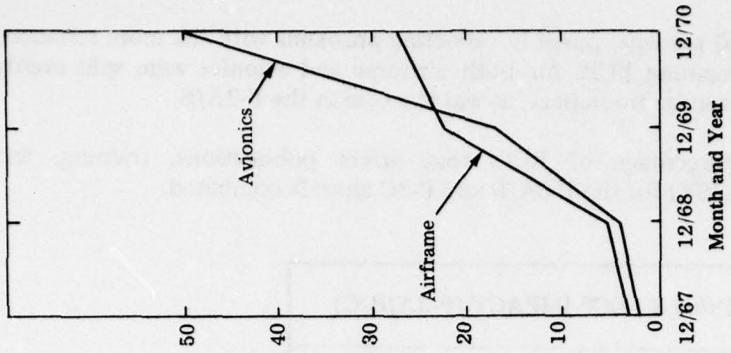


Figure 4. NUMBER OF ECPS SUBMITTED PER YEAR FOR P-3C

maximum impact reached 20 percent, possibly reflecting problems with the more advanced avionic subsystems. The remaining ECPs for both airframe and avionics were split evenly between average impact and minimum impact, as was the case in the P-3A/B.

Table 3 shows the percentage of ECPs that affect publications, training, and ground-support equipment (GSE) for the P-3A/B and P-3C aircraft combined.

Table 3. ECP IMPACT (P-3A/B/C)

Logistics Element	Percentage of ECPs Having Impact	
	Airframe	Avionics
Publications	92	89
Training	43	54
GSE	13	10

The information in Table 3 can be used to make estimates of future ECP submissions. For example, there would be a 0.40 to 0.44 probability that an airframe ECP would impact on training, and a 0.92 probability that it would impact on publications.

This review of ECPs submitted showed that there is a definite leveling of ECP activity as the aircraft system matures. However, the analysis provided no insight into possible relationships between ECP costs, impact, and time. Therefore, the next step in the analysis was to investigate the possibility of such mathematical relationships. To accomplish this objective, we reviewed the raw data forms and tabulated all available estimated cost figures for all three aircraft types. The final cost analysis was hampered by the lack of estimated-cost data, with only 14 percent of all available avionics ECPs, and 31 percent of all airframe ECPs providing cost data. In an attempt to establish a correlation between costs, time, and impact, a multiple regression was conducted on the available cost data. This analysis showed that ECP cost could not be related to time and impact with good statistical correlation.

The cost data for P-3A/B/C aircraft are summarized in Table 4, separated by avionics and airframe ECPs. The high and low cost values as well as the median and mean costs for all ECPs, where cost values were available, are shown. The "Data Availability" column shows the actual number of ECPs containing cost data related to the row heading, the percentage of those ECPs containing cost data related to the row heading, and the percentage of ECPs in the entire study containing cost data related to the row heading. A total of 199 avionics ECPs and 289 airframe ECPs were reviewed for cost data. For avionics, 24 ECPs had publications cost data, which represented 89 percent of the 27 avionics ECPs containing cost data. These 24 ECPs represent 12 percent of the 199 total avionics ECPs reviewed for cost data.

Table 4. P-3A/B/C ECP COST SUMMARY

Logistic Element	Data Availability			Costs in Dollars			
	ECPs with Cost Data		Percent of Total ECPs Submitted	Low	High	Median	Mean
	Number	Percent					
<b>Avionics</b>							
Publications	24	89	12	1,600	431,300	26,500	50,164
Training	10	37	5	168	43,733	7,500	14,886
Spares	13	48	6	320	2,093,000	4,970	243,716
GSE	6	22	3	420	1,324,375	9,000	363,212
Total	27	100	14	490	3,820,375	30,680	241,723
<b>Airframe</b>							
Publications	91	100	31	100	113,580	6,210	15,183
Training	26	29	9	32	88,140	1,498	7,645
Spares	25	28	9	30	271,779	5,100	32,230
GSE	7	8	2	150	31,000	4,963	8,559
Total	91	100	31	220	329,326	7,825	26,770

This phase of the study was limited because of the low percentages — 14 percent for avionics and 31 percent for airframe — of ECPs for which cost data were available. Because of the small sample size, the widely scattered values, and the lack of a distributional shape associated with these cost data, the median value would be the best statistical point estimate to use in estimating future ECP costs for similar weapons systems.

## CHAPTER FOUR

### CONCLUSIONS AND RECOMMENDATIONS

#### CONCLUSIONS

On the basis of the P-3A/B ECP data, it appears that the number of ECPs submitted by the prime contractor approaches zero as the end of production is reached.

The number of ECPs being submitted each year on the P-3C is still increasing, particularly for the avionic subsystems, possibly reflecting their complexity in comparison with the P-3A/B avionic subsystems.

Other conclusions are as follows:

- There appears to be no central location where complete ECP data are available.
- Only a small percentage (10 percent) of ECPs submitted had maximum impact on spares support.
- A high percentage (90 percent) of ECPs submitted affected publications.

#### RECOMMENDATIONS

A study similar to this one should be conducted on an aircraft that has recently completed the production phase of its life cycle. This additional study should be used to verify the results of the P-3 ECP Trend Analysis and to permit these results to be extended to other aircraft types.

A central repository of ECP data should be established and maintained within NAVAIR. As a minimum, this system should be established for the P-3C to continue the monitoring of ECPs initiated in this study.

**APPENDIX**

**ECP DATA**

The data used in this study are shown on the following pages of this appendix. The items listed are self-explanatory except for the columns entitled "Sup", "Trng", "Pubs", and "GSE". These codes reflect the impact of the ECP on spare-parts support, training, publications, and ground-support equipment, respectively. The codes are explained in Chapter Two of this report.

## ENGINEERING CHANGE PROPOSAL (ECP)

ECP NO.	REV.	LOCKHEED MONTH	YEAR	A/C TYPE	SYSTEM DESCRIPTION	NUMBER	MONTH	YEAR	ACTION	TECHNICAL DIRECTIVE			IMPACT		
										TYPE	NUMBER	MONTH	YEAR		
3	6	59	P-3A/B	AUTOPILOT, TACAN	H795	C	0	APR00	AVC	0	0	MIN	0	1	
4	A	11	P-3N/B	MK-101 CNTL	K263	0	0	APR00	AAC	0	0	AVG	2	1	
4	A	11	P-3A/B	MK-101 CNTL	K162	0	0	MULT CCB	AAC	0	0	AVG	0	1	
4	B	9	P-3N/B	B BAY REV S WEA	K426	0	0	APR00	AFC	0005	3	64	AVG	1	
4	B	9	P-3A/B	B BAY REV S WEA	N10	0	0	MULT CCB	AFC	0005	3	64	MIN	0	
4	B	9	P-3A/B	B BAY REV S WEA	N577	0	0	MULT CCB	AFC	0005	3	64	MIN	0	
5	10	59	P-3A/B	CAMERA INSTALL	K93	0	0	APR00	AFC	0	0	AVG	0	1	
5	10	59	P-3A/B	CAMERA INSTALL	K054	0	0	MULT CCB	AFC	0	0	MIN	2	0	
6	10	59	P-3A/B	NAV SYS REV	K110	0	0	APR00	AFC	0	0	AVG	0	1	
6	10	59	P-3A/B	ASA-16 INSTALL	H914	0	0	APR00	AVC	0	0	AVG	1	1	
6	10	59	P-3A/B	ASA-16 INSTALL	K262	0	0	MULT CCB	AVC	0	0	MIN	0	0	
9	10	59	P-3A/B	ARM CNTL REV	K111	0	0	APR00	AAC	0	0	AVG	0	1	
10	10	60	P-3A/B	GFAEL WEIGHT		0	0	APR00	AFC	0	0	MIN	0	1	
11	10	59	P-3A/B	RETROLAUR CNTL	K 95	0	0	APR00	AFC	0	0	AVG	0	1	
12	9	59	P-3A/B	BDHI TO CCF	H947	0	0	APR00	AVC	0	0	AVG	2	1	
13	10	59	P-3A/B	MK-17 TO MK-8-8	K 95	0	0	APR00	AAC	0	0	AVG	0	1	
14	10	59	P-3N/B	ADD 1 APS-00 PS	K 95	0	0	APR00	AVC	0	0	AVG	2	1	
15	10	59	P-3A/B	STAT ACCELEROME	K110	0	0	APR00	AFC	0	0	AVG	0	1	
16	10	59	P-3N/B	VHF TO GFAE	K110	0	0	APR00	AVC	0	0	AVG	0	1	
17	10	59	P-3A/B	AHRS COMP GFAE	K110	0	0	APR00	AVC	0	0	AVG	0	1	
18	10	59	P-3N/B	AQA-3 TO AQA-3A	K 95	0	0	APR00	AVC	0	0	AVG	2	1	
19	10	59	P-3A/B	AERO 15C TO 25A	K110	0	0	APR00	AAC	0	0	AVG	0	1	
20	10	59	P-3A/B	INFELT TORP SETT	K111	0	0	APR00	AAC	0	0	AVG	0	1	
21	AB	10	59	P-3A/B	CMRAS REPET IND	K111	0	0	APR00	AFC	0	0	AVG	0	1
23	9	59	P-3A/B	JACK LOAD FACTO	K294	0	0	APR00	AFC	0	0	MIN	0	1	
25	10	59	P-3A/B	AUTO GND SPD IN	K110	0	0	APR00	AVC	0	0	AVG	0	1	
26	10	59	P-3A/B	ARC-38 PS CFE	K163	0	0	MULT CCB	AVC	0	0	AVG	0	1	
26	10	59	P-3A/B	ARC-38 PS CFE	K763	0	0	MULT CCB	AFC	0	0	AVG	0	1	
27	10	59	P-3A/B	OPI & TX	GFAE K163	0	0	MULT CCB	AFC	0	0	AVG	0	1	
27	10	59	P-3A/B	FUEL FILL PROV	K274	0	0	MULT CCB	AFC	0	0	MIN	0	0	
28	11	59	P-3A/B	ARM STA SELECT	K163	0	0	MULT CCB	AFC	0	0	AVG	0	1	
29	10	59	P-3N/B	ARM STA SELECT	K163	0	0	MULT CCB	AVC	0	0	AVG	2	1	
29	10	59	P-3A/B	APX-6B TD -6	K 95	0	0	MULT CCB	AFC	0	0	MIN	0	1	
31	10	59	P-3A/B	MISC CHANGES	K 95	0	0	APR00	AVC	0	0	AVG	2	1	
32	10	59	P-3A/B	MISC CHANGES	K163	0	0	APR00	AFC	0	0	AVG	0	1	
33	10	59	P-3A/B	MISC CHANGES	K763	0	0	MULT CCB	AFC	0	0	MIN	0	1	
33	10	59	P-3A/B	MISC CHANGES	K763	0	0	MULT CCB	AFC	0	0	AVG	0	1	
34	12	59	P-3A/B	AMPS PWR FAIL	K364	0	0	APR00	AFC	0	0	MIN	0	1	
37	11	59	P-3A/B	TORAMETER CFE	K275	0	0	APR00	AFC	0	0	AVG	0	1	
37	11	59	P-3A/B	TORAMETER CFE	K275	0	0	MULT CCB	AFC	0	0	MIN	0	0	
40	2	60	P-3A/B	AL TIMEETER POINT	K439C	0	0	APR00	AFC	0	0	MIN	0	1	
41	2	60	P-3A/B	MISC INSTR CHGS	K567	0	0	MULT CCB	AFC	0	0	AVG	0	1	
42	11	60	P-3A/B	INFEL MAINT PRO	L550	0	0	APR00	AFC	0	0	MIN	0	1	
45	6	60	P-3A/B	ECM SYS REVISED	K693A	0	0	APR00	AFC	0	0	AVG	0	1	
46	3	60	P-3A/B	AERO 25A TO 15C	K566	0	0	APR00	AAC	0	0	AVG	0	1	
52	9	60	P-3A/B	TACH IND TO CFE	L122	0	0	APR00	AFC	0	0	AVG	0	1	
52	9	60	P-3N/B	TACH IND TO CFE	L242	0	0	MULT CCB	AFC	0	0	MIN	0	0	
53	7	60	P-3A/B	SEXI, MT DRAW ND K816	0	0	APR00	AVC	0	0	MIN	0	1		
54	A	5	61	P-3A/B	TEMP DATUM BRAK L692	0	0	APR00	AFC	0	0	AVG	1	1	
54	A	5	61	P-3A/B	TEMP DATUM BRAK M729	0	0	MULT CCB	AFC	0	0	MIN	0	1	
55	8	60	P-3A/B	O TNK GRAV FILL L 74	0	0	APR00	AFC	0	0	MIN	0	1		

ENGINEERING CHANGE PROPOSAL (ECP)

## ENGINEERING CHANGE PROPOSAL (ECP)

ECP NO.	LOCKHEED REV.	MONTH	YEAR	A/C	TYPE	DESCRIPTION	NUMBER	MONTH	YEAR	ACTION	TYPE	NUMBER	MONTH	YEAR	TECHNICAL	DIRECTIVE	SUP	TPNG	PUBS	GSE	IMPACT
															CHANGE	CONTROL					
98	6	61	P-3A/B	ASA-3A	OR -4 (V)	M729	0	0	MULT CCB	AFC	0	0	MIN	0	0	0	0	0	0	0	0
99	7	61	P-3A/B	AIC-14	TO -15	L792	0	0	APRV	AFC	0	0	MIN	0	0	AVG	1	1	0	0	0
99	7	61	P-3A/B	AIC-14	TO -15	M548	0	0	MULT CCB	AFC	0	0	MIN	0	0	MULT CCB	AFC	0	0	0	0
99	7	61	P-3A/B	AIC-14	TO -15	M729	0	0	MULT CCB	AFC	0	0	MIN	0	0	MULT CCB	AFC	0	0	0	0
101	8	61	P-3A/B	WING RIB REV	M 93	0	0	APRV	AFC	0	0	MIN	0	0	MIN	0	1	0	0	0	0
101	8	61	P-3A/B	WING RIB REV	M729	0	0	MULT CCB	AFC	0	0	MIN	0	0	MIN	0	0	0	0	0	0
102	4	61	P-3A/B	AP-144, 1A/1B	L532	0	0	APRV	AFC	0	0	AVG	1	1	0	0	0	0	0	0	0
105	7	61	P-3A/B	AERO 15C	TO 15D	L790	0	0	APRV	AAC	0	0	MIN	0	0	MIN	0	1	0	0	0
105	7	61	P-3A/B	AERO 15C	TO 15D	M729	0	0	MULT CCB	AAC	0	0	MIN	0	0	MULT CCB	AAC	0	0	0	0
106	7	61	P-3A/B	KY-364/APX PROV	L791	0	0	APRV	AFC	0001	0	0	MIN	0	0	MIN	0	1	0	0	0
106	7	61	P-3A/B	KY-364/APX PROV	L791	0	0	MULT CCB	AFC	0001	0	0	MIN	0	0	MIN	0	0	0	0	0
107	11	61	P-3A/B	N WHEEL & TIRE	M 63	0	0	APRV	AFC	0003	0	0	AVG	2	1	0	0	0	0	0	0
107	11	61	P-3A/B	N WHEEL & TIRE	M 63	0	0	MULT CCB	AFC	0003	0	0	MIN	0	0	MULT CCB	AFC	0003	0	0	0
107	11	61	P-3A/B	N WHEEL & TIRE	M 63	0	0	MULT CCB	AFC	0003	0	0	MIN	0	0	MULT CCB	AFC	0003	0	0	0
111	8	61	P-3A/B	SDC MT NOMENCL	M 16	0	0	APRV	AFC	0001	0	0	MIN	0	0	MIN	0	1	0	0	0
111	8	61	P-3A/B	SDC MT NOMENCL	M729	0	0	MULT CCB	AFC	0001	0	0	MIN	0	0	MIN	0	0	0	0	0
112	9	61	P-3A/B	STALL WARN SYS	M125	0	0	APRV	AFC	0001	0	0	AVG	1	0	0	0	0	0	0	0
112	9	61	P-3A/B	STALL WARN SYS	M627S	0	0	MULT CCB	AFC	0003	0	0	MIN	0	0	MULT CCB	AFC	0003	0	0	0
112	9	61	P-3A/B	STALL WARN SYS	M625	0	0	MULT CCB	AFC	0003	0	0	MIN	0	0	MULT CCB	AFC	0003	0	0	0
112	9	61	P-3A/B	STALL WARN SYS	N627	0	0	MULT CCB	AFC	0003	0	0	MIN	0	0	MULT CCB	AFC	0003	0	0	0
114	9	61	P-3A/B	ORD MAN SUPPORT	M125	0	0	APRV	AFC	0001	0	0	MIN	0	0	MIN	0	1	0	0	0
114	9	61	P-3A/B	ORD MAN SUPPORT	N627	0	0	MULT CCB	AFC	0001	0	0	MIN	0	0	MULT CCB	AFC	0001	0	0	0
115	9	61	P-3A/B	KNOB, RUDD TRIM	M125	0	0	APRV	AFC	0001	0	0	MIN	0	0	MIN	0	1	0	0	0
115	9	61	P-3A/B	KNOB, RUDD TRIM	N627	0	0	MULT CCB	AFC	0001	0	0	MIN	0	0	MULT CCB	AFC	0001	0	0	0
116	9	61	P-3A/B	OVHD ASSIST HND	M125	0	0	APRV	AFC	0001	0	0	MIN	0	0	MIN	0	1	0	0	0
116	9	61	P-3A/B	OVHD ASSIST HND	N627	0	0	MULT CCB	AFC	0001	0	0	MIN	0	0	MIN	0	1	0	0	0
117	9	61	P-3A/B	CAPT SEAT CNTL	M125	0	0	APRV	AFC	0001	0	0	MIN	0	0	MIN	0	1	0	0	0
118	9	61	P-3A/B	CAPT SEAT CNTL	N627	0	0	MULT CCB	AFC	0001	0	0	MIN	0	0	MIN	0	1	0	0	0
118	9	61	P-3A/B	HAND RAIL TACT	M125	0	0	APRV	AFC	0001	0	0	MIN	0	0	MIN	0	1	0	0	0
119	9	61	P-3A/B	HAND RAIL TACT	N627	0	0	MULT CCB	AFC	0001	0	0	MIN	0	0	MIN	0	1	0	0	0
119	9	61	P-3A/B	HAND RAIL MCL	N627	0	0	APRV	AFC	0001	0	0	MIN	0	0	MIN	0	1	0	0	0
121	9	61	P-3A/B	HSI CKTS REVISE	M125	0	0	APRV	AFC	0001	0	0	MIN	0	0	MIN	0	1	0	0	0
121	9	61	P-3A/B	HSI CKTS REVISE	M320	0	0	MULT CCB	AFC	0001	0	0	MIN	0	0	MULT CCB	AFC	0001	0	0	0
121	9	61	P-3A/B	HSI CKTS REVISE	N627	0	0	MULT CCB	AFC	0001	0	0	MIN	0	0	MULT CCB	AFC	0001	0	0	0
123	R1	7	63	P-3A/B	CORROSION PROT	041-370	0	0	MULT CCB	AFC	0	0	MIN	0	0	MIN	0	1	0	0	0
123	R1	7	63	P-3A/B	CORROSION PROT	041-370R1	0	0	MULT CCB	AFC	0	0	MIN	0	0	MIN	0	1	0	0	0
126	9	61	P-3A/B	APA-144 TO ULA-2	M134	0	0	APRV	AFC	0001	0	0	MIN	0	0	MIN	0	1	0	0	0
126	9	61	P-3A/B	APA-144 TO ULA-2	N429	0	0	MULT CCB	AFC	0001	0	0	MIN	0	0	MULT CCB	AFC	0001	0	0	0
129	5	61	P-3A	NACELL FATIGUE	N224	10	64	MULT CCB	AFC	0	0	MIN	0	0	MIN	0	1	0	0	0	
129	5	61	P-3A	NACELL FATIGUE	M224	10	64	MULT CCB	AFC	0	0	MIN	0	0	MIN	0	1	0	0	0	
130	10	61	P-3A/B	HO-344 TO -334	M232	0	0	APRV	AFC	0	0	AVG	1	1	0	0	0	0	0	0	
133	9	61	P-3A/B	ULA-2 INSTALLED	M134	0	0	APRV	AFC	0001	0	0	AVG	1	1	0	0	0	0	0	
134	7	61	P-3A/B	KY-364/APX INST	L791	7	61	APRV	AFC	0001	0	0	AVG	1	1	0	0	0	0	0	
134	7	61	P-3A/B	KY-364/APX INST	M729	0	0	MULT CCB	AFC	0001	0	0	MIN	0	0	MULT CCB	AFC	0001	0	0	0
135	12	61	P-3A/B	CHUTE STORAGE	M332	0	0	APRV	AFC	0	0	MIN	0	0	MIN	0	1	0	0	0	
136	12	61	P-3A/B	OIL PNL ANGLE	M332	0	0	APRV	AFC	0	0	MIN	0	0	MIN	0	1	0	0	0	
137	10	61	P-3A/B	IFF CONTROL	M272	0	0	APRV	AFC	0	0	MIN	0	0	MIN	0	1	0	0	0	

## ENGINEERING CHANGE PROPOSAL (ECP)

ECP NO.	REV.	MONTH	YEAR	A/C	TYPE	SYSTEM	DESCRIPTION	NUMBER	MONTH	YEAR	ACTION		TYPE	NUMBER	MONTH	YEAR	TECHNICAL DIRECTIVE		IMPACT	PUBS	ISE	
											APRVC	APRVC					APRVD	APRVC	APRVD			
139	11	61	P-3A/B	MS-28067-10R-2	M139	0	0	APRVC	0	0	MNT	0	1	0	0	0	0	0	0	0	0	
140	11	61	P-3A/B	A-C H20 SEPARAT	M339	3	63	APRVC	0	0	Avg	1	1	0	0	0	0	0	0	0	0	
148	11	61	P-3A/B	GUARANTEED WT	M174	0	0	APRVD	0	0	MIN	0	0	0	0	0	0	0	0	0	0	
150	2	62	P-3A/B	FUEL VENTS	M32	0	0	APRVC	0	0	Avg	1	1	0	0	0	0	0	0	0	0	
150	2	62	P-3A/B	FUEL VENTS	M577	0	0	APRVD	0	0	MIN	0	0	0	0	0	0	0	0	0	0	
151	2	62	P-3A/B	CU-631 DELETED	M486	0	0	APRVC	0	0	MIN	0	0	0	0	0	0	0	0	0	0	
151	2	62	P-3A/B	CU-631 DELETED	M331	0	0	APRVD	0	0	MIN	0	0	0	0	0	0	0	0	0	0	
161	7	62	P-3A	RDR ALT REDUCT	M827A	0	0	APRVC	0	0	MULT CCB	AFC	009	1	64	1	64	1	64	1	64	1
161	7	62	P-3A	RDR ALT REDUCT	M827D	0	0	APRVC	0	0	MULT CCB	AFC	009	1	64	1	64	1	64	1	64	1
161	7	62	P-3A	RDR ALT REDUCT	M830A	0	0	APRVC	0	0	MULT CCB	AFC	009	1	64	1	64	1	64	1	64	1
161	7	62	P-3A	RDR ALT REDUCT	M577	0	0	APRVD	0	0	MULT CCB	AFC	009	1	64	1	64	1	64	1	64	1
161	7	62	P-3A	RDR ALT REDUCT	M625	0	0	APRVC	0	0	MULT CCB	AFC	009	1	64	1	64	1	64	1	64	1
161	7	62	P-3A	RDR ALT REDUCT	M626	0	0	APRVC	0	0	MULT CCB	AFC	009	1	64	1	64	1	64	1	64	1
167	7	62	P-3A	AFT CAB HNDRAIL	M827A	0	0	APRVC	0	0	MULT CCB	AFC	0010	2	64	1	64	1	64	1	64	1
167	7	62	P-3A	AFT CAB HNDRAIL	M827B	0	0	APRVC	0	0	MULT CCB	AFC	0010	2	64	1	64	1	64	1	64	1
167	7	62	P-3A	AFT CAB HNDRAIL	M836A	0	0	APRVC	0	0	MULT CCB	AFC	0010	2	64	1	64	1	64	1	64	1
167	7	62	P-3A	AFT CAB HNDRAIL	M577	0	0	APRVC	0	0	MULT CCB	AFC	0010	2	64	1	64	1	64	1	64	1
167	7	62	P-3A	AFT CAB HNDRAIL	M625	0	0	APRVC	0	0	MULT CCB	AFC	0010	2	64	1	64	1	64	1	64	1
167	7	62	P-3A	AFT CAB HNDRAIL	M626	0	0	APRVC	0	0	MULT CCB	AFC	0010	2	64	1	64	1	64	1	64	1
168	7	62	P-3A/B	APS-80 ACCESS	M827A	0	0	APRVC	0	0	MULT CCB	AFC	0	0	0	0	0	0	0	0	0	
168	7	62	P-3A/B	APS-80 ACCESS	M827B	0	0	APRVC	0	0	MULT CCB	AFC	0	0	0	0	0	0	0	0	0	
168	7	62	P-3A/B	APS-80 ACCESS	M836A	0	0	APRVC	0	0	MULT CCB	AFC	0	0	0	0	0	0	0	0	0	
168	7	62	P-3A/B	APS-80 ACCESS	M577	0	0	APRVC	0	0	MULT CCB	AFC	0	0	0	0	0	0	0	0	0	
168	7	62	P-3A/B	APS-80 ACCESS	M625	0	0	APRVC	0	0	MULT CCB	AFC	0	0	0	0	0	0	0	0	0	
168	7	62	P-3A/B	APS-80 ACCESS	M626	0	0	APRVC	0	0	MULT CCB	AFC	0	0	0	0	0	0	0	0	0	
169	7	62	P-3A/B	SONO MAN RELEASE	M827A	0	0	APRVC	0	0	MULT CCB	AFC	0011	11	62	1	62	1	62	1	62	1
169	7	62	P-3A/B	SONO MAN RELEASE	M827B	0	0	APRVC	0	0	MULT CCB	AFC	0011	11	62	1	62	1	62	1	62	1
169	7	62	P-3A/B	SONO MAN RELEASE	M836A	0	0	APRVC	0	0	MULT CCB	AFC	0011	11	62	1	62	1	62	1	62	1
169	7	62	P-3A/B	SONO MAN RELEASE	M577	0	0	APRVC	0	0	MULT CCB	AFC	0011	11	62	1	62	1	62	1	62	1
169	7	62	P-3A/B	SONO MAN RELEASE	M625	0	0	APRVC	0	0	MULT CCB	AFC	0011	11	62	1	62	1	62	1	62	1
169	7	62	P-3A/B	SONO MAN RELEASE	M626	0	0	APRVC	0	0	MULT CCB	AFC	0011	11	62	1	62	1	62	1	62	1
172	7	62	P-3A/B	PUBS STOWAGE	M827A	0	0	APRVC	0	0	MULT CCB	AFC	0012	5	63	1	63	1	63	1	63	1
172	7	62	P-3A/B	PUBS STOWAGE	M827B	0	0	APRVC	0	0	MULT CCB	AFC	0012	5	63	1	63	1	63	1	63	1
172	7	62	P-3A/B	PUBS STOWAGE	M836A	0	0	APRVC	0	0	MULT CCB	AFC	0012	5	63	1	63	1	63	1	63	1
172	7	62	P-3A/B	PUBS STOWAGE	M577	0	0	APRVC	0	0	MULT CCB	AFC	0012	5	63	1	63	1	63	1	63	1
172	7	62	P-3A/B	PUBS STOWAGE	M625	0	0	APRVC	0	0	MULT CCB	AFC	0012	5	63	1	63	1	63	1	63	1
172	7	62	P-3A/B	PUBS STOWAGE	M626	0	0	APRVC	0	0	MULT CCB	AFC	0012	5	63	1	63	1	63	1	63	1
173	7	62	P-3A/B	DITCHING BOARD	M836B	0	0	APRVC	0	0	MULT CCB	AFC	0013	5	63	1	63	1	63	1	63	1
173	7	62	P-3A/B	DITCHING BOARD	M577	0	0	APRVC	0	0	MULT CCB	AFC	0013	5	63	1	63	1	63	1	63	1
174	7	62	P-3A/B	ROCKET SIGHT MT	M827A	0	0	APRVC	0	0	MULT CCB	AFC	0013	5	63	1	63	1	63	1	63	1
174	7	62	P-3A/B	ROCKET SIGHT MT	M827B	0	0	APRVC	0	0	MULT CCB	AFC	0013	5	63	1	63	1	63	1	63	1
174	7	62	P-3A/B	ROCKET SIGHT MT	M836A	0	0	APRVC	0	0	MULT CCB	AFC	0013	5	63	1	63	1	63	1	63	1
174	7	62	P-3A/B	ROCKET SIGHT MT	M577	0	0	APRVC	0	0	MULT CCB	AFC	0013	5	63	1	63	1	63	1	63	1
174	7	62	P-3A/B	ROCKET SIGHT MT	M625	0	0	APRVC	0	0	MULT CCB	AFC	0013	5	63	1	63	1	63	1	63	1
174	7	62	P-3A/B	ROCKET SIGHT MT	M626	0	0	APRVC	0	0	MULT CCB	AFC	0013	5	63	1	63	1	63	1	63	1
175	7	62	P-3A/B	LADD ATTACH REV	M827B	0	0	APRVC	0	0	MULT CCB	AFC	0013	5	63	1	63	1	63	1	63	1
175	7	62	P-3A/B	LADD ATTACH REV	M577	0	0	APRVC	0	0	MULT CCB	AFC	0013	5	63	1	63	1	63	1	63	1
176	6	62	P-3A/B	WIRING CHG	9	02	APRVC	0	0	MULT CCB	AFC	0053	4	65	1	65	1	65	1	65	1	
177	6	63	P-3A/B	WINDSHLD INSTALL	N575	0	0	APRVC	12	63	MULT CCB	AFC	0053	4	65	1	65	1	65	1	65	1
177	6	63	P-3A/B	WINDSHLD INSTALL	N575R1	12	63	APRVC	0	0	MULT CCB	AFC	0053	4	65	1	65	1	65	1	65	1
178	7	62	P-3A/B	2 C3 TEMP CNT	N159	0	0	APRVC	0	0	MULT CCB	AFC	0053	4	65	1	65	1	65	1	65	1

## ENGINEERING CHANGE PROPOSAL (ECP)

ECP	LOCKHEED	SYSTEM	CHANGE CONTROL BOARD			TECHNICAL DIRECTIVE	IMPACT										
			NO. REV.	MONTH	YEAR	NUMBER	MONTH	YEAR	TYPE	NUMBER	MONTH	YEAR	SUP TRNG	PUBS	GSE		
182	R1	63	P-3A/B	ECM ANT SYS REV	N613	0	0	APRTO	AFC	0035	7	64	MIN	2	1	0	
184	7	62	P-3A	APS-80 ANT STAB	M827A	0	0	APRVN	AFC	0	0	AVG	1	1	0		
185	R1	3	P-3A/B	ECM HF ANT SYS	N613	0	0	APRVD	AFC	0035	7	64	AVG	1	1	0	
186	3	62	P-3A/B	LAUNCHER	M648	0	0	APRVN	AFC	0	0	AVG	1	1	0		
187	12	62	P-3A/B	REFRIGERATION	N657	7	63	APRVD	AFC	0038	6	64	MIN	1	1	0	
187	12	62	P-3A/B	REFRIGERATION	N657R1	0	0	MULT CCB	AFC	0038	6	64	MIN	0	0	0	
187	12	62	P-3A/B	REFRIGERATION	041-785	0	0	MULT CCB	AFC	0038	6	64	MIN	0	0	0	
189	8	62	P-3A/B	AUX ENG MT, LWR	041-109	8	63	APRVD	AFC	0045	6	64	AVG	1	1	0	
189	6	62	P-3A/B	AUX ENG MT, LWR	041-785	0	0	MULT CCB	AFC	0045	6	64	MIN	0	0	0	
190	4	62	P-3A/B	ALT, 3-POINTER	M701	0	0	APRVD	AFC	0007	11	62	MIN	0	1	0	
191	4	62	P-3A/B	MS-25317-10R -3	M658	0	0	APRVD	AFC	0	0	MIN	0	0	0		
197	R1	7	62	P-3A/B	FLAP ASSY DET	0	0	APRVD	AFC	0	0	AVG	0	1	0		
198	R1	2	64	P-3A	TURB INLET TEMP	041-64681	0	0	APRVD	AFC	0191	7	64	MIN	0	1	0
200	10	62	P-3A/B	DOPPLER WIRING	N328	0	0	APRVD	AFC	0022	7	63	MIN	1	1	0	
204	8	62	P-3A/B	DVHD HATCH LATC	N168	0	0	APRVD	AFC	0016	10	63	AVG	0	1	0	
204	8	62	P-3A/B	DVHD HATCH LATC	N577	0	0	MULT CCB	AFC	0016	10	63	MIN	0	0	0	
207	5	62	P-3A/B	ARC-94 NORENCLA	M650	0	0	APRVD	AFC	0	0	MIN	0	1	0		
208	R1	3	P-3A/B	ECM LEMF ANT	N613	6	63	APRVD	AFC	0035	7	64	MIN	1	1	0	
209	8	62	P-3A/B	PT-434 EXT WIR	N309	0	0	APRVD	AFC	0018	7	63	MIN	1	1	0	
211	6	62	P-3A/B	WNG STA TORP	M723	0	0	APRVD	AFC	0	0	MIN	1	1	0		
211	6	62	P-3A/B	WNG STA TORP	N577	0	0	MULT CCB	AFC	0	0	MIN	0	0	0		
224	6	62	P-3A	AS-578A DR B	M886	0	0	APRVD	AFC	0	0	MIN	0	0	0		
225	R1	6	63	P-3A/B	AS-578A DR B	N577	0	0	MULT CCB	AFC	0	0	MIN	0	0	0	
225	R1	6	63	P-3A/B	GEAR DIVE BRAKE	041-785	0	0	MULT CCB	AFC	0042	8	64	MIN	0	0	0
227	10	62	P-3A/B	GEAR DIVE BRAKE	041-075	7	63	APRVD	AFC	0042	8	64	AVG	0	1	0	
238	10	62	P-3A/B	ICS & CORN SYS	N285	0	0	APRVD	AFC	0020	2	64	AVG	1	1	0	
239	11	62	P-3A/B	SOND & SUS DISP	N303	0	0	APRVD	AFC	0021	9	63	AVG	1	1	0	
243	8	62	P-3A/B	ADF ANT INSTALL	N568	4	63	APRVD	AFC	0031	3	64	MIN	0	1	0	
246	10	62	P-3A/B	TEMPENNAE EDGE	N257	0	0	APRVD	AFC	0026	0	0	AVG	0	1	0	
247	1	63	P-3A/B	ASN-42 REVISION	N356	0	0	APRVD	AFC	0026	12	63	MAX	1	1	0	
248	12	62	P-3A/B	RELAY STOCK SOUR	N474	0	0	APRVD	AFC	0	0	AVG	0	0	0		
249	12	62	P-3A/B	EMP THERM SENS	N422	0	0	APRVD	AFC	0	0	MIN	0	0	0		
251	10	62	P-3A/B	ETHER DUCT LINK	N423	0	0	APRVD	AFC	0	0	MIN	0	2	0		
251	10	62	P-3A/B	GEAR CNT VLVE W	041-076	8	63	APRVD	AFC	0044	6	64	MIN	0	1	0	
251	10	62	P-3A/B	GEAR CNT VLVE W	041-785	0	0	MULT CCB	AFC	0044	6	64	MIN	0	0	0	
252	11	62	P-3A/B	GEAR CNT VLVE W	051-565	0	0	MULT CCB	AFC	0044	6	64	MIN	0	0	0	
255	R1	9	P-3A/B	ARC-52 TO -51	5718-63	0	0	MULT CCB	AFC	0	0	AVG	1	1	0		
257	10	62	P-3A/B	SOND STORAGE	041-371	12	63	APRVD	AFC	0055	12	64	MIN	0	1	0	
258	6	62	P-3A/B	SEARCHLT RELOC	N576	5	63	APRVD	AFC	0034	5	64	MIN	0	1	0	
258	6	62	P-3A/B	DELETE ARR-41	N 61	0	0	MULT CCB	AFC	0043	8	65	MIN	0	1	0	
259	11	62	P-3A/B	DELETE ARR-41	N577	0	0	MULT CCB	AFC	0043	3	65	MIN	0	0	0	
259	11	62	P-3A/B	CU-733/APS-80	N529	0	0	APRVD	AFC	0	0	MIN	0	2	0		
262	10	62	P-3A/B	CU-733/APS-80	061-166	0	0	MULT CCB	AFC	0	0	MIN	0	1	0		
266	11	62	P-3A/B	APN-122 TD -153	N300	0	0	APRVN	AFC	0	0	MAX	1	1	0		
266	11	62	P-3A/B	RD-32 PEN OSCIL	041-095	8	63	APRVD	AFC	0043	8	65	AVG	1	1	0	
279	12	62	P-3A/B	RD-32 PEN OSCIL	051-386	0	0	MULT CCB	AFC	0043	3	65	MIN	0	0	0	
282	R1	7	P-3A/B	SOND & US ACTU	041-006	0	0	APRVD	AFC	0	0	AVG	1	1	0		
282	R1	7	P-3A/B	SOND & US ACTU	041-785	0	0	MULT CCB	AFC	0	0	MIN	0	2	0		
282	R1	7	P-3A/B	SOND & US ACTU	041-785R1	0	0	MULT CCB	AFC	0	0	MIN	0	2	0		
283	12	52	P-3A/B	APS-80 NOMENCL A	N171	0	0	APRVD	AFC	0	0	MIN	1	1	0		

ENGINEERING CHANGE PROPOSAL (ECP)										TECHNICAL EFFECTIVE			IMPACT										
ECP		LOCKHEED		SYSTEM		DESCRIPTION		NUMBER		MONTH		YEAR		ACTION		TYPE		NUMBER		MONTH		YEAR	
NO.	REV.	MONTH	YEAR	A/C	TYPE	DISCRIPTION																	
284	2	63	P-3A/B	APS-80	CABINET	041-025		7	63	APRVD	AFC	C036	5	64	MIN	0	1	0					
285	1	63	P-3A/B	WINDSHLD ST	DISC	N459		0	0	APRVD	AFC	C027	3	63	MIN	0	1	0					
287	R1	2	64	P-3A/B	PIROT KIT	MODIF	041-751	0	0	APRVD	AAC	0392	1	65	AVG	0	1	0					
289	R1	2	63	P-3A/B	SEARCH LITE	POD	041-150	9	63	APRVD	AFC	0047	5	34	MIN	3	1	0					
290	4	63	P-3A/B	ALD-2	TO	-28	041-056	7	63	APRVD	AFC	0041	3	66	AVG	1	1	0					
290	4	63	P-3A/B	ALD-2	TO	-28	051-757	7	63	MULT CCB	AFC	0041	3	66	MIN	0	0	0					
291	1	63	P-3A/B	ARN-12	DR	-32	N384	0	0	MULT CCB	AFC	0	0	AVG	1	1	0						
291	1	63	P-3A/B	ARN-12	DR	-32	041-235	0	0	APRVD	AFC	0	0	AVG	1	1	0						
295	2	63	P-3A	ASQ-10	DR	-10A	N366	0	0	APRVD	AFC	0	0	AVG	1	0							
297	5	63	P-3A/B	DXY REG	WIRING	041-039	7	63	APRVD	AFC	0039	5	64	MIN	3	1	0						
297	5	63	P-3A/B	DXY REG	WIRING	041-785	0	0	MULT CCB	AFC	0039	5	64	MIN	0	0	0						
299	5	63	P-3A/B	ARN-52	INST	WIR	041-005	7	63	APRVD	AFC	0037	2	64	MIN	1	1	0					
302	5	63	P-3A	AIR START	WARN	041-055	7	63	APRVD	AFC	0040	9	63	AVG	1	1	0						
302	5	63	P-3A	AIR START	WARN	041-785	0	0	MULT CCB	AFC	0040	9	63	MIN	0	0	0						
303	6	63	P-3A	SPEC AMENDED	N412		3	63	APRVD	AFC	0	0	MIN	0	1	0							
307	5	63	P-3A/B	AILERON	CNTL	BR	041-243A	10	63	APRVD	AFC	0050	5	64	MIN	0	1	0					
307	5	63	P-3A/B	AILERON	CNTL	BR	041-243B	0	0	MULT CCB	AFC	0050	5	64	MIN	0	0	0					
311	5	64	P-3A/B	LAAD	SUPPORT	041-840	6	64	APRVD	AFC	0074	3	05	MIN	0	1	0						
314	7	63	P-3A/B	AMAC	SYS	SWITCH	041-222	0	0	APRVD	AAC	0375	9	64	AVG	1	1	0					
314	7	63	P-3A/B	AMAC	SYS	SWITCH	041-222R1	0	0	MULT CCB	AAC	0375	9	64	MIN	0	0	0					
315	5	63	P-3A/B	AP	ENGAGE	LEVE	N610	0	0	APRVD	AFC	0032	5	63	AVG	1	1	0					
316	1	64	P-3A/B	TOILET	VENTURI	041-620	3	64	APRVD	AFC	0064	10	64	AVG	0	1	0						
316	5	63	P-3A	AERO	6A	CABLE	N567	0	0	APRVD	AAC	0	0	MIN	1	1	0						
318	5	63	P-3A	AERO	6A	CABLE	041-255	0	0	MULT CCB	AAC	0	0	MIN	0	0	0						
318	5	63	P-3A	AERO	6A	CABLE	041-785	0	0	MULT CCB	AAC	0	0	MIN	0	0	0						
319	7	63	P-3A/B	HINE	PYLON	STUD	041-368	0	0	APRVD	AFC	0376	8	64	MIN	0	1	0					
320	R3	6	65	P-3A	HF	COMM-STAN	UP	N064-0009	0	0	APRVD	AFC	0	0	AVG	0	1	0					
321	1	64	P-3A/B	APN-117	TO	-141	041-786	6	64	APRVD	AFC	711	1	8	66	MAX	1	1					
321	1	64	P-3A/B	APN-117	TO	-141	051-576	0	0	MULT CCB	AFC	711	1	8	66	MIN	2	0					
321	1	64	P-3A/B	APN-117	TO	-141	051-577	0	0	MULT CCB	AFC	711	1	8	66	MIN	0	0					
321	1	64	P-3A/B	APN-117	TO	-141	051-958	0	0	MULT CCB	AFC	711	1	8	66	MIN	0	0					
321	S1	0	P-3B	INST	PNL	SUPPL	061-6333	6	64	APRVD	AFC	7111	11	66	MIN	1	1	0					
321	S1	0	P-3B	INST	PNL	SUPPL	061-6333R1	0	0	MULT CCB	AFC	7111	11	66	MIN	0	0	0					
325	8	63	P-3A/B	RDR	ALT	POINTER	ASC-14	AM1	0	0	APRVD	AFC	0014	1	64	MIN	1	1	0				
327	8	63	P-3A/B	HYD	PUMP	CKT	BR	041-282	11	63	APRVD	AFC	0052	5	64	MIN	1	1	0				
329	8	63	P-3A/B	PYLON	FAIRINGS	041-201A	0	0	PULT CCB	AAC	0374	6	64	MIN	0	0	0						
330	7	63	P-3A/B	AFT	XFER	PUMP	041-283	11	63	APRVD	AFC	0053	6	64	AVG	0	1	0					
330	7	63	P-3A/B	AFT	XFER	PUMP	041-785	0	0	MULT CCB	AFC	0063	6	64	AVG	0	1	0					
331	9	63	P-3A/B	ELEV	VIS	DAMPER	041-490	1	64	APRVD	AFC	054A	6	65	AVG	0	1	0					
335	8	63	P-3A/B	WING	TRAIL	EDGE	041-284	3	65	APRVD	AFC	054A	5	65	MIN	0	1	0					
335	8	63	P-3A/B	WING	TRAIL	EDGE	041-785	0	0	MULT CCB	AFC	054A	5	65	MIN	0	1	0					
337	9	63	P-3A/B	ENG	ERER	CNTL	041-242A	10	63	APRVD	AFC	0049	6	64	AVG	0	1	0					
337	9	63	P-3A/B	ENG	ERER	CNTL	041-242B	0	0	MULT CCB	AFC	0049	6	64	MIN	0	0	0					
338	11	63	P-3A	APN-153	RETRO	041-492	1	64	APRVD	AFC	0361	1	66	MAX	1	1	0						
339	7	63	P-3A/B	ECHM	COMPON	GFAE	041-022	0	0	APRVD	AFC	0	0	MIN	1	1	0						
339	7	63	P-3A/B	ECHM	COMPON	GFAE	041-785	0	0	MULT CCB	AFC	0	0	MIN	0	0	0						
339	7	63	P-3A/B	ECHM	COMPON	GFAE	041-7851	0	0	MULT CCB	AFC	0	0	MIN	0	0	0						
340	7	63	P-3A/B	ECH	COMPON	CFE	041-022	0	0	APRVD	AFC	0	0	MIN	1	1	0						
340	7	63	P-3A/B	ECH	COMPON	CFE	041-785	0	0	MULT CCB	AFC	0	0	MIN	0	0	0						
340	7	63	P-3A/B	ECH	COMPON	CFE	041-7851	0	0	MULT CCB	AFC	0	0	MIN	0	0	0						

## ENGINEERING CHANGE PROPOSAL (ECP)

NO. ECP	LOCKHEED SYSTEM	MONTH	YEAR	A/C TYPE	DESCRIPTION	CHANGE CONTROL BOARD NUMBER	MONTH	YEAR	ACTION	TECHNICAL DIRECTIVE		IMPACT	
										TYPE NUMBER	MONTH	YEAR	
342	10 63	P-3A	FIRE BARRIERS	041-412	12 63	APRVD	0059	9 64	MIN 0	1	0	1	C
344	12 63	P-3A/B	RETRO-LAUNCHER	041-658	4	64	APRVD	AFC	0066	1	05	MIN 3	1
345	7 64	P-3B	WNDSHLD TEMP CN	051-314	0	0	APRVD	AFC	0067	0	0	Avg 0	1
347	10 63	P-3A/B	BOMB JETTIS SYS	041-367	12 63	APRVD	AFC	0056	5	64	Avg 1	1	C
350	10 63	P-3A	ENG BLEED ELBOW	041-369	0	0	APRVD	AFC	0057	4	64	Avg 0	1
352	1 64	P-3A/B	EXT COLOR CHG	041-621	0	0	APRVD	AFC	0	0	MIN 0	1	C
352	1 64	P-3A/B	EXT COLOR CHG	041-621R1	0	0	MULT CCB	AFC	0	0	MIN 0	0	0
352	1 64	P-3A/B	EXT COLOR CHG	041-621R2	0	0	MULT CCB	AFC	0	0	MIN 0	2	0
353	2 64	P-3A/B	EXT PAINT REV	041-621	0	0	APRVC	AFC	0	0	MIN 0	1	0
353	2 64	P-3A/B	EXT PAINT REV	041-621R1	0	0	MULT CCB	AFC	0	0	MIN 0	0	0
353	2 64	P-3A/B	EXT PAINT REV	041-621R2	0	0	MULT CCB	AFC	0	0	MIN 0	0	0
355	12 63	P-3A/B	CAMERA DOR ACTU	041-603	0	0	APRVD	AFC	0	0	Avg 0	3	1
355	11 63	P-3A/B	ARA-25 MCL CHG	041-317A	0	0	APRVD	AFC	0	0	MIN 0	0	0
357	11 63	P-3A/B	CAMERA COMP CFE	041-318	0	0	APRVD	AFC	0	0	Avg 1	1	0
357	11 63	P-3A/B	CAMERA COMP CFE	041-785	0	0	MULT CCB	AFC	0	0	MIN 0	0	0
359	12 63	P-3A/B	C-3110 TO A	041-202A	C	C	APRVD	AFC	0	0	MIN 1	1	0
360	5 64	P-3A/B	CORROSION DMNIB	051-058	7	64	APRVD	AFC	0079	5	65	MIN 0	1
360	5 64	P-3A/B	CORROSION DMNIB	051-058A1	0	0	MULT CCB	AFC	0079	5	65	MIN 0	3
361	12 63	P-3A/B	ASN-42 MCL CHG	041-317B	0	0	APRVD	AFC	0	0	MIN 0	0	0
363	2 64	P-3A/B	WNDSHLD HET REL	041-649	4	64	APRVD	AFC	0065	5	64	Avg 0	1
364	1 64	P-3A/B	MAG TPE E REELS	041-443	0	0	APRVD	AFC	0	0	Avg 0	1	0
366	4 64	P-3A/B	SOND VID CNTL	061-839	6	64	APRVD	AFC	0073	9	65	MIN 0	1
366	4 64	P-3A/B	SOND VID CNTL	061-166	0	0	MULT CCB	AFC	0073	9	65	MIN 0	0
369	2 64	P-3A/B	AILERON SKIN 6	041-731	5	64	APRVD	AFC	0068	10	64	Avg 0	1
370	5 64	P-3A/B	PHOTO INSTAL 1B	041-318R1	0	0	APRVD	AFC	0	0	Avg 1	1	0
370	5 64	P-3A/B	PHOTO INSTAL 1B	041-785	0	0	MULT CCB	AFC	0	0	MIN 0	0	0
371	7 64	P-3A/B	APQ-107 RAW5	051-577	6	64	MULT CCB	AFC	71P1	9	66	MIN 0	0
371	R1 7 64	P-3A/B	APQ-107 RAW5	051-418	6	64	APRVD	AFC	71P1	9	66	MAX 1	1
375	4 64	P-3A/B	AERO 6A CABLE	041-801	0	0	APRVD	AAC	0394	9	64	Avg 1	1
375	4 64	P-3A/B	AERO 6A CABLE	041-801R1	0	0	MULT CCB	AAC	0394	9	64	MIN 0	0
376	7 64	P-3A/B	WNG STRUCTURE	051-470	10	65	APRVD	AFC	0090	10	65	MIN 0	1
377	3 64	P-3A/B	INTEGRAL START	041-659	0	0	APRVD	AFC	0110	6	66	Avg 1	1
377	3 64	P-3A/B	INTEGRAL START	051-1110	0	0	MULT CCB	AFC	0110	6	66	MIN 0	0
377	3 64	P-3A/B	INTEGRAL START	061-442	6	65	MULT CCB	AFC	0110	6	66	MIN 0	0
377	3 64	P-3A/B	INTEGRAL START	061-554	0	0	MULT CCB	AFC	0110	6	66	MIN 0	0
377	5 64	P-3A/B	INTEGRAL START	041-811B	0	0	MULT CCB	AFC	0110	6	66	MIN 0	0
377	R1 1 66	P-3A/B	GALLEY DVEN REP	061-741R2	0	0	MULT CCB	AFC	0137	11	66	MIN 0	3
378	3 64	P-3A/B	ASA-20B MCL CHG	041-579	0	0	APRVD	AFC	0	0	MIN 0	0	0
379	3 64	P-3A	ARC-51 MCL CHG	041-588	0	0	APRVD	AFC	0	0	MIN 0	0	0
381	R1 12 64	P-3A/B	PS FOR INS	051-580	1	65	APRVD	AFC	0091	6	65	MIN 1	1
381	R1 12 64	P-3A/B	PS FOR INS	061-035	9	64	APRVD	AFC	0272	6	65	MIN 1	1
381	R1 12 64	P-3A/B	PS FOR INS	061-598	0	0	MULT CCB	AFC	0272	6	65	MIN 0	0
382	7 64	P-3A/B	SEARCH STORES	051-153	8	64	APRVR	AFC	0081	7	65	MIN 1	1
382	7 64	P-3A/B	SEARCH STORES	061-166	0	0	MULT CCB	AFC	0081	7	65	MIN 0	0
383	7 64	P-3A/B	FRIDGE REVISION	051-274	0	0	APRVC	AAC	0066	3	65	MIN 0	1
383	7 64	P-3A/B	FRIDGE REVISION	061-166	0	0	MULT CCB	AAC	0066	3	65	MIN 0	0
384	7 64	P-3A/B	SOND LOAD SWTCH	051-181	0	0	APRVD	AFC	0	0	MIN 0	1	0
384	7 64	P-3A/B	SOND LOAD SWTCH	051-181P1	0	0	MULT CCB	AFC	0	0	MIN 0	0	0
384	7 64	P-3A/B	SOND LOAD SWTCH	061-166	C	C	MULT CCB	AFC	0	0	MIN 0	0	0
386	5 64	P-3A/B	BRUSHLESS GEN	041-811A	0	0	APRVD	AFC	0	0	Avg 1	1	1

ENGINEERING CHANGE PROPOSAL (ECP)										
ECP NO.	LOCKHEED REV.	MONTH	YEAR	A/C	TYPE	SYSTEM	DESCRIPTION	CHANGE CONTROL BOARD		
								NUMBER	MONTH	
387	7	64	P-38	FUEL FLOW	PS	051-154	0	APRVD	APC	
387	7	64	P-38	FUEL FLOW	PS	051-154R1	0	MULT CCB	APC	
387	7	64	P-38	FUEL FLOW	PS	051-96	0	MULT CCB	APC	
392	6	64	P-3A/B	RDR WAVEGUID	SW	041-816	0	APRVD	AVC	
392	6	64	P-3A/B	RDR WAVEGUID	SW	061-166	0	MULT CCB	AVC	
395	6	64	P-3A/B	1D-633, A-B	/U	041-94C	0	APRVD	AVC	
395	6	64	P-3A/B	1D-633, A-B	/U	051-203	0	MULT CCB	AVC	
395	A	9	65	P-38	1D-633B, C	/U	061-388	0	APRVD	AVC
395	A	9	65	P-38	1D-633B, C	/U	061-166	0	MULT CCB	AVC
396	R2	12	64	P-3A/B	APX-6 TO APX-64	051-832R1	0	APRVD	AVC	
396	R2	12	64	P-3A/B	APX-6 TO APX-64	051-442	0	MULT CCB	AVC	
397	10	64	P-38	TEMP CNTL	SYS	051-471	0	APRVD	AVC	
398	10	64	P-38	BLEED AIR VALVE	051-372	0	APRVD	AVC		
399	9	64	P-3A	SOND RETRO INST	051-782	3	65	APRVD	AVC	
399	9	64	P-3A	SOND RETRO INST	051-782R2	0	MULT CCB	AVC		
401	9	64	P-3A/B	TACH GEN TO CFE	051-329	11	64	APRVD	AVC	
401	9	64	P-3A/B	TACH GEN TO CFE	051-329R1	0	MULT CCB	AVC		
402	9	64	P-3A/B	TACAN ELECT	SYS	051-315	8	APRVD	AVC	
403	R1	3	65	P-3A/B	CU-351 TO 290T1	051-079	9	APRVD	AVC	
403	S1	6	65	GSE	SUPPLEMENT	061-079	0	APRVD	AVC	
404	8	64	P-3A/B	NAV BOH1 TACAN	051-184	0	APRVD	AVC		
404	8	64	P-3A/B	NAV BOH1 TACAN	061-166	0	MULT CCB	AVC		
405	1	65	P-3A/B	FLAP CNTL MECH	051-792	3	65	APRVD	AVC	
405	1	65	P-3A/B	FLAP CNTL MECH	051-792R1	0	MULT CCB	AVC		
406	4	64	P-3A/B	TACH GEN TO GFE	041-666	0	APRVD	AVC		
406	4	64	P-3A/B	TACH GEN TO GFE	051-579	0	MULT CCB	AVC		
407	5	64	P-3A/B	OTPI TO GFE	041-753	0	APRVD	AVC		
409	R1	0	0	P-3A/B	CHG IN LUBE OIL	051-575	0	APRVD	AVC	
409	R1	0	0	P-3A/B	CHG IN LUBE OIL	061-238	0	MULT CCB	AVC	
411	11	64	P-3A/B	LGNTG PROTEC	051-582	1	65	APRVD	AVC	
413	R1	7	65	P-3A/B	EXT AC PWR RCAT	061-344	10	APRVD	AVC	
413	R1	7	65	P-3A/B	EXT AC PWR RCAT	061-344R1	0	MULT CCB	AVC	
413	R1	7	65	P-3A/B	EXT AC PWR RCAT	061-1019	0	MULT CCB	AVC	
416	11	64	P-3A/B	MAIN BRAKE INSU	051-477	12	64	APRVD	AVC	
420	3	65	P-3A/B	APN-153 NODEN	051-273R1	0	APRVD	AVC		
421	1	65	P-3A	HAO STAT DISCHG	FWA131176	0	APRVD	AVC		
422	11	64	P-3B	NAV TR AIR GFAE	051-164	0	APRVD	AVC		
423	12	64	P-3A/B	INTERVALOMETER	051-067	3	65	APRVD	AVC	
425	1	65	P-3A/B	F-943 APX-7 FIL	051-581	1	65	APRVD	AVC	
425	1	65	P-3A/B	F-943 APX-7 FIL	051-581R1	0	MULT CCB	AVC		
426	11	64	P-3B	H PRES IND MCL	051-180	0	APRVD	AVC		
427	11	64	P-3B	SEXT MT MCL CHG	051-180	0	APRVD	AVC		
428	11	64	P-3B	ARC-101 TO BS22	051-559	3	68	APRVD	AVC	
431	9	64	P-3B	ARR-32 TO -52A	051-752	0	APRVD	AVC		
431	9	64	P-3B	ARR-52 TO -52A	051-782R2	0	MULT CCB	AVC		
431	9	64	P-3B	ARR-52 TO -52A	051-183	0	MULT CCB	AVC		
432	11	64	P-3B	T & S IND	051-275R1	0	APRVD	AVC		
434	R1	6	65	P-3B	SPECIAL STORES	061-064	0	APRVD	AVC	
435	3	65	P-3A/B	MK-44 UMBIL ADP	051-019	5	65	APRVD	AVC	
435	3	65	P-3A/B	MK-44 UMBIL ADP	061-1019	0	MULT CCB	AVC		
436	2	65	P-3B	ARM STA SEL CFE	0	0	APRVD	AVC		

ECP NO.	REV.	MONTH	YEAR	SYSTEM A/C	TYPE	DESCRIPTION	NUMBER	MONTH	YEAR	ACTION	TECHNICAL DIRECTIVE			IMPACT				
											TYPE	NUMBER	MONTH	YEAR	SUP	TRNG	PLUGS	GSE
438	9	65		P-3/A/B	011 PRES TX MCL	0	0	0	0	APRVD	AFC	0112	7	06	MIN	0	0	
439	5	65		P-3/A/B	EMI CORRECTIONS	061-004	7	65	APRVD	AFC	0112	7	65	MIN	1	1	0	
439	5	65		P-3/A/B	EMI CORRECTIONS	061-1019	0	0	0	MULT CCB	AFC	0112	7	65	MIN	0	0	
440	3	65		P-3/A/B	LP FUEL FILM	051-803	4	65	APRVD	AFC	0101	10	65	AVG	1	1	0	
440	3	65		P-3/A/B	LP JUEL FILM	051-803R1	0	0	0	MULT CCB	AFC	0101	10	65	MIN	0	0	
440	3	65		P-3/A/B	LP JUEL FILM	051-803R2	0	0	0	MULT CCB	AFC	0101	10	65	MIN	0	0	
440	3	65		P-3/A/B	LP JUEL FILM	051-1019	0	0	0	MULT CCB	AFC	0101	10	65	MIN	0	0	
441	4	65		P-3/A/B	CARRA SW WIRING	051-957	5	65	APRVD	AFC	0105	3	66	MIN	0	1	0	
441	4	65		P-3/A/B	CARRA SW WIRING	061-1019	0	0	0	MULT CCB	AFC	0105	3	66	MIN	0	0	
442	4	65		P-3/A/B	TAPE REC J-BOX	051-897	5	65	APRVD	AFC	0103	10	65	MIN	1	1	0	
442	4	65		P-3/A/B	TAPE REC J-BOX	061-1019	0	0	0	MULT CCB	AFC	0103	10	65	MIN	0	0	
443	4	65		P-3/A/B	UTIL LIGHT ALT	051-1002	6	65	APRVD	AFC	0107	2	66	MIN	3	1	0	
443	4	65		P-3/A/B	UTIL LIGHT ALT	051-1002R1	0	0	0	MULT CCB	AFC	0107	2	66	MIN	0	0	
443	4	65		P-3/A/B	UTIL LIGHT ALT	061-1019	0	0	0	MULT CCB	AFC	0107	2	66	MIN	0	0	
444	4	65		P-3/A/B	ENG COOL DUCT	051-1003	6	65	APRVD	AFC	0106	4	66	MIN	0	0	0	
444	4	65		P-3/A/B	ENG COOL DUCT	061-1019	0	0	0	MULT CCB	AFC	0106	4	66	MIN	0	0	
446	5	65		P-3/B	CNTL HYDR BOOST	061-0039	0	0	0	APRVD	AFC	0	0	0	0	0	0	
447	3	65		P-3/A/B	ARC-51A CNT MCL	051-677	0	0	0	APRVD	AFC	0	0	0	0	1	0	
449	4	65		P-3/A/B	PROP AUX PUMP	061-222	9	65	APRVD	AFC	0115	6	66	MIN	1	1	0	
449	4	65		P-3/A/B	PROP AUX PUMP	061-1019	0	0	0	MULT CCB	AFC	0115	6	66	MIN	0	0	
451	6	65		P-3/A	AQH-1 1A4A3 MOD	061-262	0	0	0	APRVD	AFC	0446	3	66	AVG	1	1	0
451	6	65		P-3/A	AQH-1 1A4A3 MOD	061-1019	0	0	0	MULT CCB	AFC	0446	3	66	MIN	0	0	
453	7	65		P-3/A/B	FLT CNTL BOOSTR	061-224	9	65	APRVD	AFC	0116	5	66	AVG	1	1	0	
453	7	65		P-3/A/B	FLT CNTL BOOSTR	061-1019	0	0	0	MULT CCB	AFC	0116	5	66	MIN	0	0	
458	11	65		P-3/A/B	KW-7 SECU UNIT	061-661	2	66	APRVD	AFC	134A	3	67	AVG	1	1	0	
458	4	66		P-3/A/B	KW-7 SECU UNIT	061-1160	6	66	MULT CCB	AFC	134A	3	67	MIN	0	0	0	
460	8	65		P-3/B	INT START SYS	061-330	10	65	APRVD	AFC	0	0	0	0	0	0		
465	8	65		P-3/A/B	GEAR SAFY PINS	061-328	10	65	APRVD	AFC	0118	7	66	MIN	1	1	0	
465	8	65		P-3/A/B	GEAR SAFY PINS	061-1019	0	0	0	MULT CCB	AFC	0118	7	66	MIN	0	0	
466	9	65		P-3/A/B	OMNIB STRUCTURA	061-472	1	65	APRVD	AFC	0129	8	67	AVG	0	1	0	
466	9	65		P-3/A/B	OMNIB STRUCTURA	061-1019	0	0	0	MULT CCB	AFC	0129	8	67	MIN	0	0	
467	6	66		P-3/A/B	APX-64 TU-72	071-2622	10	66	APRVD	AFC	0153	10	66	MAX	1	1	0	
467	7	66		P-3/A/B	APX-64 TU-72	071-2622R1	8	67	MULT CCB	AFC	0153	10	66	MIN	0	0	0	
467	7	66		P-3/A/B	APX-64 TU-72	071-2622R2	3	68	MULT CCB	AFC	0153	10	66	MIN	0	0	0	
468	6	66		P-3/A/B	WNG CRR PROTCT	071-1019	8	66	APRVD	AFC	0123	7	67	MIN	0	1	0	
468	6	66		P-3/A/B	WNG CRR PROTCT	061-386	10	65	MULT CCB	AFC	0123	7	67	MIN	0	0	0	
469	7	65		P-3/A/B	GEN SYS REV	061-088	7	65	APRVD	AFC	0114	10	65	MIN	1	0	0	
469	7	65		P-3/A/B	GEN SYS REV	061-088RL	9	65	MULT CCB	AFC	0114	10	65	MIN	0	0	0	
469	7	65		P-3/A/B	GEN SYS REV	061-919	0	0	0	MULT CCB	AFC	0114	10	65	MIN	0	0	
472	9	65		P-3/A/B	MAN HOIST DELTD	061-387	10	65	APRVD	AFC	0124	10	66	MIN	1	1	0	
472	9	65		P-3/A/B	MAN HOIST DELTD	061-1019	0	0	0	MULT CCB	AFC	0124	10	66	MIN	0	0	
473	3	66		P-3/A/B	HF ANT SYS REV	061-996	4	66	APRVD	AFC	0143	7	67	AVG	3	1	0	
473	3	66		P-3/A/B	HF ANT SYS REV	061-996R1	0	0	0	MULT CCB	AFC	0143	7	67	MIN	0	0	
474	9	65		P-3/A/B	EMER OP ISS	061-327	6	65	APRVD	AFC	0122	5	66	MIN	1	1	0	
474	9	65		P-3/A/B	EMER OP ISS	061-1019	0	0	0	MULT CCB	AFC	0122	5	66	MIN	0	0	
S1	10	65		P-3/A/B	EMER OP ISS	061-560	0	0	0	MULT CCB	AFC	0122	5	66	MIN	0	0	
475	11	65		P-3B	TOROMETER IND	061-800	3	66	APRVD	AFC	0	0	0	AVG	1	0	0	
477	R1	1	66	P-3/A/B	GALLEY OVEN REP	061-741	2	66	APRVD	AFC	0137	11	66	AVG	0	1	0	
477	R1	1	66	P-3/A/B	GALLEY OVEN REP	061-741R1	0	0	0	MULT CCB	AFC	0137	11	66	MIN	0	1	0
478	9	65		P-3/A/B	ARD-13 TOURN-83	061-459	0	0	0	APRVD	AFC	0	0	0	AVG	1	0	

## ENGINEERING CHANGE PROPOSAL (ECP)

ECP NO.	REV.	LOCKHEED MONTH	YEAR	AVC	TYPE	SYSTEM	DESCRIPTION	CHANGE CONTROL BOARD			TECHNICAL DIRECTIVE			IMPACT						
								NUMBER	MONTH	YEAR	ACTION	TYPE	NUMBER	MONTH	YEAR	SUP	TECH	CAUSA	SSF	
478	9	65	P-3B	ARD-13	TOURN-83	061-459R1	0	0	MULT	CCB	AVC	0128	0	0	MIN	0	0	0	0	
479	9	65	P-3A/B	ARC-94	WIRING	061-460	11	65	APRVD	AFC	0128	11	66	MIN	1	1	0	0		
479	9	65	P-3A/B	ARC-94	WIRING	066-027	0	0	MULT	CCB	AVC	0128	11	66	MIN	0	0	0	0	
479	9	65	P-3A/B	ARC-94	WIRING	061-1019	0	0	MULT	CCB	AVC	0128	11	66	MIN	0	0	0	0	
480	3	66	P-3B	PP-2192/	APA-125	061-050R1	0	0	APRVD	AVC	0	0	MIN	0	0	MIN	0	0	0	
480	3	66	P-3B	PP-2192/	APA-125	061-1019	0	0	MULT	CCB	AVC	0	0	MIN	0	0	MIN	0		
480	3	66	P-3A/B	PP-2192/	APA-125	071-176	0	0	MULT	CCB	AVC	0	0	MIN	0	0	MIN	0		
481	R1	3	66	P-3A/B	ARMAMENT	PROVIS	061-948	4	66	APRVD	AFC	0142	8	68	Avg	1	1	1	1	
481	R1	3	66	P-3A/B	ARMAMENT	PROVIS	061-948R1	0	0	MULT	CCB	AVC	0142	8	68	MIN	0	0	0	
482	9	65	P-3A/B	PROP	MECH	CNTL	061-562	10	65	APRVD	AVC	0131	10	66	Avg	1	1	1	1	
482	S1	10	65	P-3A/B	PROP	MECH	CNTL	061-562	0	0	APRV	AVC	0131	10	66	Avg	1	1	1	
483	12	65	P-3A/B	ELEV	TRIM	TABS	061-708	1	66	APRVD	AFC	0136	11	66	MIN	0	1	0	0	
484	10	65	P-3A/B	QEC	GEN	WIRING	061-510	11	65	APRVD	AFC	0130	5	56	MIN	1	0	0	0	
484	10	65	P-3A/B	QEC	GEN	WIRING	061-1019	0	0	MULT	CCB	AVC	0130	5	56	MIN	0	0	0	
485	4	66	P-3A/B	LAU-21A	SUS	LAU	061-1106	5	66	APRVD	AVC	0146	3	68	Avg	1	1	1	1	
485	5	66	P-3A/B	LAU-21A	SUS	LAU	061-1106R1	11	67	MULT	CCB	AVC	0146	3	68	MIN	0	0	0	
485	5	66	P-3A/B	LAU-21A	SUS	LAU	071-090	7	66	APRVD	AAC	0456	0	0	MIN	1	1	0	0	
485	0	0	P-3A/B	LAU-21A	SUS	LAU	081-225	0	0	MULT	CCB	AAC	0456	0	0	MIN	0	0	0	
485	0	0	P-3A/B	LAU-21A	SUS	LAU	071-608	0	0	MULT	CCB	AAC	0456	0	0	MIN	0	0	0	
486	11	65	P-3A/B	TACT	CREW	LIGHT	061-659	1	66	APRVD	AFC	0133	11	66	MIN	0	1	0	0	
487	10	65	P-3A/B	OXY	BOTTLE	COVR	061-618	12	65	APRVD	AVC	0132	11	66	MIN	0	1	0	0	
487	12	65	P-3A/B	AERO	1A	ADAPTER	061-730	2	66	APRVD	AAC	0	0	MIN	0	1	0	0		
489	10	65	P-3A/B	GTCP	95-2	REV	061-617	12	65	APRVD	AAC	0117	5	66	MIN	0	1	0	0	
491	10	65	P-3A/B	GTCP	95-2	REV	061-1019	0	0	MULT	CCB	AAC	0117	5	66	MIN	0	0	0	
494	1	66	P-3B	GROSS	WT	INCR	061-799	3	68	APRVD	AFC	0181	0	0	Avg	1	1	1	1	
494	S1	2	66	P-3A/B	GROSS	WT	INCR	091-441	2	69	APRVD	AFC	0181	3	70	Avg	1	1	1	1
495	11	65	P-3A/B	ECH	ANT	REVISED	061-660	1	66	APRVD	AVC	0502	5	56	Avg	1	1	0	0	
496	A	3	67	P-3A/B	APU	DOOR	ACTUAT	061-709	0	0	APRVD	AFC	0110	6	57	Avg	1	1	0	0
496	A	12	65	P-3A/B	BULLPUP	INSTALL	061-658	3	66	APRVD	AFC	0164	10	67	Avg	1	1	0	0	
499	12	65	P-3A/B	BULLPUP	INSTALL	061-1078	0	0	MULT	CCB	AFC	0117	5	57	MIN	0	0	0	0	
500	2	66	P-3A/B	GSCP	PLACARDS	061-883	6	66	APRVD	AFC	0140	10	66	MIN	1	1	0	0		
501	2	66	P-3A/B	MOD	APS-80A	IV	061-892	6	66	APRVD	AFC	0139	5	67	Avg	1	1	0	0	
502	3	66	P-3A/B	STARTER	INLET	D	061-1066	0	0	APRVD	AFC	0168	3	68	Avg	1	1	0	0	
502	3	66	P-3A/B	STARTER	INLET	D	071-961	6	67	MULT	CCB	AFC	0168	3	68	MIN	0	0	0	
505	3	66	P-3A/B	ASQ-10	COMP	CNT	061-1018	6	66	APRVD	AFC	0144	9	67	Avg	0	1	0	0	
507	4	66	P-3B	ENTRY	GUIDE	RDP	061-1065	6	66	APRVD	AFC	0145	0	0	MIN	0	0	0	0	
508	4	66	P-3A/B	WING	TR	INTRCDS	061-1129	6	66	APRVD	AFC	0147	4	67	MIN	0	1	0	0	
509	R1	12	66	P-3A/B	F	QTY	HYDRO	GAG	3	67	APRVD	AFC	0162	5	68	Avg	1	1	0	
510	3	67	P-3A/B	ELECT	DRNIB	CHG	071-885	5	67	APRVD	AFC	0165	11	68	Avg	1	1	0	0	
512	A	8	66	P-3B	MINE	PYLONS	071-462	0	0	MULT	CCB	AAC	0	0	Avg	1	1	0	0	
512	A	8	66	P-3B	MINE	PYLONS	071-717	0	0	MULT	CCB	AAC	0	0	MIN	0	0	0	0	
512	A	8	66	P-3B	MINE	PYLONS	061-959	0	0	MULT	CCB	AAC	0	0	MIN	0	0	0	0	
513	4	66	P-3A/B	HEAD	INSTAL	REV	061-1161	1	68	APRVD	AFC	0148	4	69	Avg	1	1	0	0	
513	4	66	P-3A/B	HEAD	INSTAL	REV	061-1161R1	0	0	MULT	CCB	AFC	0148	4	69	MIN	0	0	0	
513	4	66	P-3A/B	HEAD	INSTAL	REV	061-1161R2	0	0	MULT	CCB	AFC	0148	4	69	MIN	0	0	0	
513	4	66	P-3A/B	HEAD	INSTAL	REV	081-434	0	0	MULT	CCB	AFC	0148	4	69	MIN	0	0	0	
514	5	66	P-3A/B	ARR-31	RAD	THEIR	071-063	7	66	APRVD	AFC	0159	0	0	MIN	0	0	0	0	
515	R2	12	66	P-3A/B	APU	F	PUMP	DEL	071-590	5	67	APRV	AFC	0159	6	67	Avg	1	1	0
515	R2	12	66	P-3A/B	ANADAK	-4	INSTRAK	081-434	0	0	MULT	CCB	AFC	0159	6	67	MIN	0	0	0
516	6	66	P-3A/B	ANADAK	-4	INSTRAK	071-091	0	0	APRV	AFC	0163	3	67	MIN	0	0	0	0	

## ENGINEERING CHANGE PROPOSAL (ECP)

ECP NO.	REV.	MONTH	YEAR	A/C	TYPE	SYSTEM	DESCRIPTION	CHANGE CONTROL BOARD			TECHNICAL DIRECTIVE			IMPACT			
								MONTH	YEAR	ACTION	TYPE	NUMBER	MONTH	YEAR	SUP	T <sup>2</sup> NG	PUBS
518	R1	11	66	P-3A/B	PHOTO CAR EJECT	071-609R1	12	67	APRVD	AFC	0160	0	0	Avg	1	1	0
519	6	66	P-3A/B	AC BUS C/B GUARD	071-028	7	66	APRVD	AFC	0150	3	67	MIN	1	1	0	
521	6	66	P-3A/B	RAMS WIRING REV	071-205	9	66	APRVD	AFC	0151	11	67	MIN	1	1	0	
521	6	66	P-3A/B	RAMS WIRING REV	071-418	0	0	MULT CCB	AFC	0151	11	67	MIN	0	3	0	
521	6	66	P-3A/B	RAMS WIRING REV	711-180	0	0	MULT CCB	AFC	0151	11	67	MIN	0	0	0	
523	7	66	P-3A/B	BATTERY SURP JAR	071-278	10	66	APRVD	AFC	0154	4	68	MIN	1	1	0	
523	7	66	P-3A/B	BATTERY SURP JAR	711-738	3	67	MULT CCB	AFC	0154	4	68	MIN	0	3	0	
524	8	66	P-3A/B	FL LMT VENT DUC	071-222	9	66	APRVD	AFC	0152	12	66	MIN	1	1	0	
524	8	66	P-3A/B	FL LMT VENT DUC	081-434	0	0	MULT CCB	AFC	0152	12	66	MIN	0	0	0	
526	7	66	P-3B	R BCN LGT ASSY	071-308	10	66	APRVD	AFC	0	0	MIN	1	1	0		
528	10	66	P-3B	AL NOSE WHEEL	071-400	11	66	APRVD	AFC	0	0	MIN	0	0	0	0	
529	7	66	P-3B	OIL PRESS IND	061-220	0	0	APRVD	AFC	0	0	MIN	0	1	0		
530	12	66	P-3A/B	ELEC SYS REV	071-618	2	67	APRVD	AFC	0161	11	68	MIN	1	1	0	
530	12	66	P-3A/B	ELEC SYS REV	071-618R1	0	0	MULT CCB	AFC	0161	11	68	MIN	0	0	0	
533	10	66	P-3A/B	RT-2611APX-7 W	071-448	12	66	APRVD	AFC	0157	12	67	MIN	1	0	0	
534	6	67	P-3A/B/C	AIR CNTL ROD R	081-222	9	67	APRVD	AFC	0174	3	68	Avg	1	1	0	
536	1	67	P-3B	DELETE BULLUP	071-671	6	67	APRVD	AFC	0	0	MIN	0	1	0		
537	5	67	P-3A/B	GEN ARMAMENT	071-1031	6	67	APRVD	AFC	0169	0	0	MIN	1	1	0	
537	5	67	P-3A/B	GEN ARMAMENT	071-1031R1	10	68	MULT CCB	AFC	0169	0	0	MIN	0	0	0	
538	5	67	P-3A/B	OMNIBUS MECH	081-013	7	67	APRVD	AFC	0171	9	68	Avg	1	1	1	
538	5	67	P-3A/B	OMNIBUS MECH	081-013R1	10	67	APRVD	AFC	0173	0	0	Avg	1	1	1	
539	R1	9	68	P-3A/B	S WINDOW DEFOG	701-247	0	0	MULT CCB	AFC	0200	2	72	MIN	0	0	0
539	R2	6	69	P-3A/B	S WINDOW DEFOG	701-247	10	69	APRVD	AFC	0200	2	72	Avg	1	1	0
545	12	67	P-3B/C	A/P AIR DATA SE	081-464	12	67	APRVD	AFC	0	0	MIN	0	1	1	1	
545	12	67	P-3B/C	A/P AIR DATA SE	072-092	0	0	MULT CCB	AFC	0	0	MIN	0	0	0	0	
546	4	67	P-3A/B	TORP CONN RETRY	711-926	6	67	APRVD	AFC	0166	1	68	MIN	0	1	0	
548	2	67	P-3B	ASQ-10 AMP MCL	071-515	0	0	APRVD	AFC	0	0	MIN	0	0	0	0	
553	R1	2	69	P-3C	EXT FINISH	091-631	0	0	APRVD	AFC	0	0	MIN	3	1	0	
555	8	67	P-3A/B/C	MACELLE SHROUD	081-463R1	12	67	APRVD	AFC	0177	7	69	Avg	1	1	1	
555	8	67	P-3A/B/C	MACELLE SHROUD	081-463R1	0	0	MULT CCB	AFC	0177	7	69	MIN	0	0	0	
556	9	67	P-3A/B	JULIET-28 SYS	081-462	12	67	APRVD	AFC	0176	8	71	Avg	0	1	0	
556	9	67	P-3A/B	JULIET-28 SYS	081-462R1	2	68	MULT CCB	AFC	0	0	MIN	0	0	0	0	
559	8	68	P-3C	HF, UHF REVIS	091-357R1	12	68	APRVD	AFC	0	0	MAX	1	1	1	1	
559	8	68	P-3C	HF, UHF REVIS	091-357R1	0	0	MULT CCB	AFC	0	0	MIN	0	0	0	0	
560	10	67	P-3A/B/C	WATER SEP DRAIN	081-510	1	69	APRVD	AFC	0178	10	69	Avg	1	1	0	
560	10	67	P-3A/B/C	WATER SEP DRAIN	081-510R1	2	69	MULT CCB	AFC	0178	10	69	MIN	0	0	0	
562	10	67	P-3C	APS-115 CHANGES	081-496	12	67	APRVD	AFC	0	0	Avg	0	1	0	0	
566	3	68	P-3A/B	AAU-21 GFAE	701-175	0	0	MULT CCB	AFC	0197	12	71	Avg	0	1	0	
566	R1	0	0	P-3A/B	AAU-21 GFAE	701-175	0	0	MULT CCB	AFC	0197	12	71	MIN	0	0	0
566	R2	0	0	P-3A/B	AAU-21 GFAE	721-030	9	69	APRVD	AFC	0197	12	71	Avg	0	1	0
567	3	68	P-3B/C	WING TRACK SEAL	081-843	5	68	APRVD	AFC	0197	12	71	MIN	0	0	0	
567	3	68	P-3B/C	WING TRACK SEAL	081-843R1	0	0	MULT CCB	AFC	0	0	MIN	0	0	0	0	
569	R1	7	68	DUAL AFCS CFE	091-120	8	68	APRVD	AFC	0	0	MAX	1	1	1	1	
569	R1	7	68	DUAL AFCS CFE	091-120R1	0	0	MULT CCB	AFC	0	0	MIN	0	0	0	0	
569	R1	7	68	DUAL AFCS CFE	091-120R2	0	0	MULT CCB	AFC	0	0	MIN	0	0	0	0	
569	R1	7	68	DUAL AFCS CFE	091-120R3	0	0	MULT CCB	AFC	0	0	MIN	0	0	0	0	
569	R1	7	68	DUAL AFCS CFE	701-497	0	0	MULT CCB	AFC	0	0	MIN	0	0	0	0	
570	R2	2	71	P-3A/B/C	ENG ST CNT LGT	711-727	5	71	APRVD	AFC	0255	3	72	Avg	1	1	1
571	7	68	P-3A/B	DIFAP RETRO	091-271	10	68	APRVD	AFC	0186	3	71	MAX	1	1	1	
571	S1	9	68	P-3A/B	DIFAR RETRO	701-012	7	69	APRVD	AFC	0	0	MAX	1	1	1	
572	3	69	P-3C	ASQ-81 MAD SYS	701-012	7	69	APRVD	AFC	0	0	MAX	1	1	1		

## ENGINEERING CHANGE PROPOSAL (ECP)

ECP NO.	LOCKHEED REV.	MONTH	YEAR	A/C	TYPE	SYSTEM	CHANGE CONTROL BOARD			TECHNICAL DIRECTIVE			IMPACT						
							DESCRIPTION	NUMBER	MONTH	YEAR	ACTION	TYPE	NUMBER	MONTH	YEAR				
572	R1	5	69	P-3C		ASQ-61 MAD SYS	701-012R1	0	0	APRVD	AVC	0	0	MAX	1	1			
574	R1	12	68	P-3C		CFE ECM SYS	091-647	4	68	APRVD	AFC	0264	2	72	MAX	1	1		
574	R1	12	68	P-3C		CFE ECM	091-647R1	0	0	MULT CCB	AFC	0264	2	72	MIN	0	0		
574	R1	0	0	P-3C		CFE ECM INSTALL	721-132	9	71	APRVD	AFC	0264	2	72	MAX	1	1		
574	S1	7	70	P-3C		UHFDF ANT PAYED	711-348	11	70	APRVD	AVC	0	0	MIN	1	1			
577	9	68	P-3A/B/C	FUS MAINT	ACCES	091-629	4	69	APRVD	AFC	0193	10	70	MIN	0	1			
580	10	68	P-3C	ARA-25 TO	-50	091-410	1	69	APRVD	AFC	0187	7	73	MAX	1	1			
582	2	69	P-3A/B/C	ANTI-ICING	HOSE	091-723	4	69	APRVD	AFC	0195	12	69	AVG	0	1			
582	2	69	P-3A/B/C	ANTI-ICING	HOSE	091-723R1	0	0	MULT CCB	AFC	0195	12	69	MIN	0	0			
583	1	69	P-3A/B/C	SEAL FINISH	SCR	091-696	4	69	APRVD	AFC	0194	3	70	MIN	0	1			
584	2	69	P-3C	AIR FIL	FOR DPS	091-628	4	69	APRVD	AFC	0192	9	69	AVG	1	1			
584	2	69	P-3C	AIR FIL	FOR DPS	091-628R1	0	0	MULT CCB	AFC	0192	9	69	MIN	0	0			
590	R1	8	69	P-3C	BULLPUP	PYLONS	701-122	12	69	APRVD	AAC	0	0	AVG	1	1			
590	R1	5	70	P-3A/B/C	BULLPUP	PYLONS	711-296	11	70	APRVD	AAC	0570	0	0	AVG	1	1		
591	R1	12	69	P-3C	MANUALS	STORAGE	701-531	2	70	APRVD	AFC	0210	1	71	MIN	0	0		
591	R1	12	69	P-3C	MANUALS	STORAGE	701-531R1	9	70	MULT CCB	AFC	0210	1	71	MIN	0	0		
591	R1	12	69	P-3C	MANUALS	STORAGE	701-531R2	0	0	MULT CCB	AFC	0210	1	71	MIN	0	0		
592	7	69	P-3C	APS-115	HEADING	701-401	1	70	APRVD	AFC	1062	4	71	AVG	1	1			
592	R1	7	69	P-3C	APS-115	HEADING	701-401	1	70	MULT CCB	AFC	0261	0	0	AVG	1	1		
592	R1	2	71	P-3C	RADOME	INTBLOCK	721-002	8	71	APRVD	AFC	1299	0	0	AVG	1	1		
592	R1	2	71	P-3C	RADOME	INTBLOCK	721-002	0	0	MULT CCB	AVC	1300	0	0	AVG	1	1		
594	R1	3	70	P-3C	CABIN	LIGHTING	711-508	2	71	APRVD	AFC	0244	0	0	MIN	0	0		
596	8	69	P-3C	AILERON	REINFOR	701-780	1	70	APRVD	AFC	0	0	AVG	0	1	0			
596	8	69	P-3C	AILERON	REINFOR	701-400R1	0	0	MULT CCB	AFC	0	0	MIN	0	0	0			
597	8	69	P-3A/B/C	INTRVAL	OMNIR CAP	701-778	11	70	APRVD	AAC	0552	10	71	MIN	0	0			
598	0	69	P-3A/B/C	SEC CMPTR	MOUNT	701-240	10	69	APRVD	AFC	0199	6	70	AVG	0	1	0		
599	8	69	P-3C	SEC CMPTR	MOUNT	701-275R1	0	0	MULT CCB	AFC	0201	9	71	MIN	0	0	0		
602	CC	10	69	P-3C	RF XFER	RELAY	701-493	1	70	APRVD	AFC	0206	4	70	AVG	0	1	0	
603	CC	10	69	P-3C	AQN-4	WIRING	701-493	1	70	APRVD	AFC	0207	4	70	MIN	0	1	0	
604	CC	11	69	P-3C	INFILY	SPAR CASE	701-493	1	70	APRVD	AFC	0208	6	70	AVG	0	1	0	
607	CC	10	69	P-3C	A271	INTRCONN	701-493	1	70	APRVD	AFC	1067	4	70	AVG	0	1	0	
608	CC	10	69	P-3C	A275	, A344	REV	1	70	APRVD	AFC	1068	0	0	AVG	0	1	0	
609	CC	10	69	P-3C	A350	WIRING	701-493	1	70	APRVD	AFC	1069	5	70	MIN	0	1	0	
610	CC	10	69	P-3C	A293	PCB	REV	701-493	1	70	APRVD	AFC	1070	4	70	AVG	0	1	0
611	CC	10	69	P-3C	A303	PCB	REV	701-493	1	70	APRVD	AFC	1071	5	70	AVG	0	1	0
613	R1	3	71	P-3C	FWD	CAMRA	SIGHT	711-761	5	71	APRVD	AFC	0259	1	72	MIN	1	0	0
614	12	69	P-3C	FUEL	LINES	701-675	4	70	APRVD	AFC	0	0	AVG	3	1	0	0		
616	CC	12	69	P-3C	LOGIC	UNIT	PNL	701-470	1	70	APRVD	AFC	0204	12	71	AVG	1	1	0
617	CC	10	69	P-3C	RACKS	E1 E 2	701-493	1	70	MULT CCB	AFC	0209	6	70	MIN	0	1	0	
619	9	69	P-3C	SONO	LAU	TUBES	701-492	1	70	APRVD	AFC	0	0	AVG	2	1	0	0	
619	9	69	P-3C	SONO	LAU	TUBES	701-492R1	0	0	MULT CCB	AFC	0	0	MIN	0	0	0	0	
620	12	69	P-3C	SONO	CHUT	INDEX	701-562	2	70	APRVD	AFC	0213	10	71	MIN	0	1	0	
620	12	69	P-3C	SONO	CHUT	INDEX	701-562R1	9	70	MULT CCB	AFC	0213	10	71	MIN	0	0	0	
621	CC	12	69	P-3C	KWX	EQUIP	B7X	701-563	2	70	APRVD	AFC	0214	9	71	MIN	0	1	0
622	CC	12	69	P-3C	A293	TEST	PLATE	701-563	2	70	MULT CCB	AFC	0427	3	72	MIN	0	1	0
622	CC	12	69	P-3C	A293	TEST	PLATE	701-563	2	70	APRVD	AVC	1094	3	72	MIN	0	1	0
623	CC	10	69	P-3B/C	ELEC	PWR	RELAYS	701-278	10	69	APRVD	AFC	0202	2	73	MIN	0	1	0
625	CC	12	70	P-3C	A323	REVISED	701-563	2	70	APRVD	AVC	1085	2	71	MIN	0	1	0	
626	CC	3	70	P-3C	HF-1	ANT	CPLR	701-855	6	70	APRVD	AFC	0228	0	0	MIN	0	1	0
627	1	70	P-3C	SCAV	INL	PMP	SC 711-197	9	70	APRVD	AFC	0233	0	0	AVG	0	1	0	

ENGINEERING CHANGE PROPOSAL (ECP)																				
ECP	LOCKHEED	SYSTEM	CHANGE CONTROL BOARD		TECHNICAL DIRECTIVE		IMPACT													
			NO.	REV.	MONTH	YEAR	A/C	TYPE	DESCRIPTION	NUMBER	MONTH	YEAR	ACTION	TYPE	NUMBER	MONTH	YEAR	SUP	TRNG	PUBS
628	CC	12	69	P-3C	A276	CAMERA	CNT	701-563	2	70	APRVD	AFC	0215	0	2	MIN	3	1	0	0
628	CC	12	69	P-3C	A276	CAMERA	CNT	701-563	2	70	MULT CCB	AFC	1281	0	0	MIN	0	1	0	0
628	CC	12	69	P-3C	A276	CAMERA	CNT	701-563	2	70	MULT CCB	AFC	1282	0	0	MIN	0	1	0	0
630	CC	1	70	P-3C	LOW PASS	XFMR	701-663	3	70	APRVD	AFC	0218	0	0	MIN	1	1	0	0	
631	3	70	P-3C	CP-901	ENT FIL	701-622	3	70	APRVD	AFC	0217	12	0	70	MIN	1	1	0	0	
632	1	70	P-3A/B	RD-308	INSTALLED	701-545	2	70	APRVE	AFC	0212	2	72	MAX	1	1	1	0	0	
634	11	69	P-3C	SONO FIX	SIMPLI	701-560	2	70	APRVD	AFC	0	0	0	AVG	0	1	0	0	0	
634	11	69	P-3C	SONO FIX	SIMPLI	701-560R1	0	0	MULT CCB	AFC	0	0	0	MIN	0	0	0	0	0	
634	11	69	P-3C	SONO FIX	SIMPLI	701-560R2	0	0	MULT CCB	AFC	0	0	0	MIN	0	0	0	0	0	
637	4	70	P-3C	SONO	REDUND	CKT	711-014	7	70	APRVD	AFC	0	0	0	MIN	0	1	0	0	
639	CC	1	70	P-3C	TCG TAPE	COINC	701-598	3	70	MULT CCB	AFC	0216	0	0	AVG	1	0	0	0	
639	CC	1	70	P-3C	TCG TAPE	COINC	701-598	3	70	APRVD	AFC	1246	9	71	AVG	1	1	0	0	
641	CC	11	69	P-3B	FUEL DUMP	MANIF	701-530	2	70	APRVD	AFC	0211	4	70	MIN	0	0	0	0	
644	CC	4	70	P-3C	FL DIR	CMPTR	FL	701-836	6	70	APRVD	AFC	1146	10	71	MIN	1	0	0	
644	CC	4	70	P-3C	FL DIR	CMPTR	FL	701-836	6	70	MULT CCB	AFC	1248	8	71	MIN	1	0	0	
644	CC	4	70	P-3C	FL DIR	CMPTR	FL	701-836	6	70	MULT CCB	AFC	1249	9	71	MIN	1	0	0	
644	CC	4	70	P-3C	FL DIR	CMPTR	FL	701-836	6	70	MULT CCB	AFC	0246	8	71	MIN	1	0	0	
645	CC	3	70	P-3C	LADDER	&	TRACK	701-794	6	70	APRVD	AFC	0222	0	0	MIN	0	1	0	
646	CC	5	70	P-3C	HF PLUGS	DESTG	701-800	6	70	APRVD	AFC	1153	8	71	MIN	1	0	0		
646	CC	5	70	P-3C	HTY INTERFACE	701-767	5	70	MULT CCB	AFC	1247	8	71	MIN	1	0	0			
646	CC	5	70	P-3C	HTY INTERFACE	701-767	5	70	MULT CCB	AFC	0220	0	0	MIN	1	0	0			
647	R1	6	70	P-3C	A-C & EXHAUST	701-768	5	70	APRVD	AFC	0221	8	71	MIN	0	1	0	0		
648	CC	3	70	P-3C	A-C	EXHAUST	701-768R1	9	70	MULT CCB	AFC	0220	8	71	MIN	0	1	0		
649	CC	4	70	P-3C	AN-4964	REVISED	701-795	6	70	APRVD	AFC	0223	0	0	MIN	0	1	0		
650	CC	4	70	P-3C	DATA TERM	CNTR	701-799	6	70	APRVD	AFC	0226	8	71	MIN	1	0	0		
651	CC	4	70	P-3C	GND A-C DOOR	H1	711-148	8	70	APRVD	AFC	1209	0	0	MIN	1	0	0		
653	CC	5	70	P-3C	APX-76	GND WIRE	701-798	6	70	APRVD	AFC	0234	0	0	AVG	0	1	0		
655	CC	1	71	P-3C	AN-4964	REVISED	701-696	4	71	APRVD	AFC	0252	3	72	AVG	1	1	0		
655	CC	1	71	P-3C	AN-4964	REVISED	701-696	4	71	MULT CCB	AFC	1268	0	0	MIN	1	0	0		
656	CC	11	70	P-3C	INERTIAL	LIGHTS	711-661	4	71	APRVD	AFC	1263	2	72	MIN	1	0	0		
657	CC	4	70	P-3C	ASN-84	OMNIBUS	701-796	6	70	APRVD	AFC	1138	9	71	MIN	0	1	0		
658	CC	4	70	P-3C	APN-187	OMNIBUS	701-856	6	70	MULT CCB	AFC	1251	8	71	MIN	0	1	0		
658	CC	4	70	P-3C	APN-187	OMNIBUS	701-856	6	70	MULT CCB	AFC	0224	4	71	MIN	0	1	0		
659	CC	7	70	P-3C	HF CPLR	OMNIBUS	701-855	6	70	APRVD	AFC	0252	3	72	AVG	1	1	0		
660	CC	5	70	P-3C	ARC-142	HF DBUS	711-082	8	70	APRVD	AFC	1260	0	0	MIN	1	0	0		
661	CC	5	70	P-3C	ARC-143	VHF DB	711-082	8	70	APRVD	AFC	1163	9	71	MIN	1	0	0		
662	3	70	P-3A/B/C	PROP SPIN	OVHET	711-171	9	70	APRVD	AFC	1251	8	71	MIN	1	0	0			
663	CC	5	70	P-3C	INS	MEMORY	PROG	701-843	6	70	APRVD	AFC	1147	2	71	MIN	1	0	0	
664	CC	6	70	P-3C	ARR-72	OMNIBUS	711-161	8	70	APRVD	AFC	1173	0	0	MIN	1	0	0		
664	CC	0	P-3C	ASA-64	SPEC	CHG	OAL-618	2	68	APRVD	AFC	1255	0	0	MIN	1	0	0		
664	CC	0	P-3C	SG-791	CHANGES	OBL-619	2	68	APRVD	AFC	1256	9	71	MIN	0	1	0			
665	CC	6	70	P-3C	ASN-84	PWR SUP	711-160	8	70	APRVD	AFC	1172	10	71	MIN	1	0	0		
668	CC	7	70	P-3B/C	NACELLE	SHRJUD	711-363	11	70	APRVD	AFC	0177	9	71	MIN	0	1	0		
669	CC	6	70	P-3C	INS	INTERC	WIR	701-857	6	70	APRVD	AFC	0230	1	72	MIN	1	0	0	
670	CC	9	70	P-3C	ACQ-5	OMNIBUS	711-349	11	70	APRVD	AFC	1208	9	71	MIN	1	0	0		
670	CC	9	70	P-3C	ACQ-5	OMNIBUS	711-349	9	0	MULT CCB	AFC	1207	0	0	MIN	1	0	0		
670	CC	9	70	P-3C	ACQ-5	OMNIBUS	711-349	0	0	REFCLNDED	AFC	0237	0	0	MIN	1	0	0		
671	7	70	P-3C	ICS	AUX	SFL	LGT	711-344	11	70	APRVD	AFC	0236	0	0	AVG	1	1	0	

## ENGINEERING CHANGE PROPOSAL (ECP)

ECP NO.	LOCKHEED REV.	MONTH	YEAR	A/C TYPE	SYSTEM	DISCRIPTION	NUMBER	MONTH	YEAR	ACTION	TYPE	NUMBER	MONTH	YEAR	TECHNICAL DIRECTIVE	IMPACT
671	7	7	70	P-3C	ICS AUX SEL	LGT 711-344R1	0	0	6	MULT CCB	AFC 0236	0	0	MIN	0	0
674	CC	6	70	P-3C	A349 WIRING	711-159	6	70	APRVD	AFC 0116	0	0	MIN	1	1	
675	CC	9	70	P-3C	ICS MSTR CNTL	711-398	12	70	APRVD	AFC 0239	0	0	MIN	1	0	
676	8	70	P-3C	VHF VSWR PROJCT	711-326	10	70	APRVD	AFC	0	0	MIN	1	0		
676	8	70	P-3C	VHF VSWR PROJCT	711-326R1	0	0	0	MULT CCB	AFC	0	0	MIN	0	0	
676	8	70	P-3C	VHF VSWR PROJCT	711-326R2	0	0	0	MULT CCB	AFC	0	0	MIN	0	0	
677	R1	1	71	P-3C	OMEGA INCORPORA	711-749	5	71	APRVD	AFC 0257	0	0	MAX	1	0	
678	R1	12	70	P-3C	SONO RET REV	711-434	12	70	APRVD	AFC 0240	0	0	Avg	1	1	
681	7	70	P-3C	GYRO HDR IND	711-265	10	70	APRVD	AFC 0235	0	0	Avg	0	0		
684	9	70	P-3C	AGC-6 HED MODUL	711-343	3	71	APRVD	AFC	0	0	MIN	0	1		
685	CC	7	70	P-3C	ARC-142 REVISED	711-063	7	70	APRVD	AFC 1156	0	0	MIN	1	0	
686	CC	10	70	P-3C	ASSG TEMP REV	711-604	8	70	APRVD	AFC 1255	0	0	MIN	1	0	
686	R1	12	70	P-3C	ASSG TEMP REV	711-604	8	70	APRVD	AFC 1173	9	71	MIN	0	0	
687	7	70	P-3C	DEL AM-4923/A	711-149	8	70	APRVD	AFC	0	0	Avg	1	0		
687	S1	12	70	P-3C	DEL AM-4923/A	711-677	4	71	APRVD	AFC 0251	2	72	Avg	1	0	
688	R1	8	71	P-3A/B/C	ELECT CONN/FIRE	721-186	19	71	APRVD	AFC	0268	0	0	Avg	1	0
689	CC	9	70	P-3C	DOPPLER A BOX	711-392	12	70	APRVD	AFC 0238	1	72	MIN	0	0	
690	CC	9	70	P-3C	AOF SENSE ANT	711-468	1	71	APRVD	AFC 0242	0	0	MIN	1	0	
692	CC	10	70	P-3C	TD-900 DEC MOL	711-751	0	0	APRVD	AFC 0218	0	0	MIN	1	0	
692	R1	12	70	P-3C	TD-900 DEC MOL	711-751B	5	71	APRVD	AFC	0258	0	0	Avg	1	0
692	R1	12	70	P-3C	TD-900 DEC MOL	711-751B	5	71	MULT CCB	AFC 1272	0	0	Avg	1	0	
693	CC	9	70	P-3C	A323 A6 MODULE	711-273	10	70	APRVD	AFC 1197	10	71	MIN	1	0	
693	CC	9	70	P-3C	A323 A6 MODULE	711-273	10	70	MULT CCB	AFC 0186	0	0	MIN	1	0	
694	S1	1	71	P-3C	R-1047 TOR-1651	711-662	4	71	APRVD	AFC 0249	2	72	Avg	1	0	
695	9	70	P-3C	R-1047 TOR-1651	711-662R1	4	71	MULT CCB	AFC 0249	2	72	MIN	0	0		
695	9	70	P-3C	KG-236ACQ-5	711-252	9	70	APRVD	AFC 1192	0	0	Avg	1	0		
695	9	70	P-3C	KG-236ACQ-5	711-252	9	70	MULT CCB	AFC 1257	10	71	Avg	1	0		
696	10	70	P-3C	RADAR RANGE CNT	711-526	2	71	APRVD	AFC 1237	0	0	MIN	1	0		
696	10	70	P-3C	RADAR RANGE CNT	711-526R1	0	0	0	MULT CCB	AFC 1237	0	0	MIN	0	0	
699	8	70	P-3C	P-3C SPEC REV	711-527	0	0	0	APRVD	AFC	0	0	MIN	0	0	
701	11	70	P-3C	CASS INSTALLED	711-563	3	71	APRVD	AFC 1244	0	0	MAX	1	1		
701	11	70	P-3C	CASS INSTALLED	711-563	3	71	APRVD	AFC 0245	0	0	MAX	1	1		
701	11	70	P-3C	DIGITAL INTRFC	092-240	4	69	APRVD	AFC	0	0	MAX	1	1		
704	1	70	P-3C	CASS INSTALLED	711-563R1	0	0	0	MULT CCB	AFC 1244	0	0	MIN	0	0	
704	1	70	P-3C	TTV TAK-UP DEV	711-750	5	71	APRVD	AFC 0256	0	0	Avg	1	0		
704	1	70	P-3C	TTV TAK-UP DEV	711-750R1	0	0	0	MULT CCB	AFC 0256	0	0	MIN	0	0	
705	12	70	P-3C	EXT FINISH REV	711-660	0	0	0	APRVD	AFC	0	0	MIN	0	1	
706	10	70	P-3C	UHF RT & CNTL	711-437	12	70	APRVD	AFC 1219	0	0	Avg	1	1		
709	10	70	P-3C	HF RT & CNTL	711-436	0	0	0	0	MULT CCB	AFC 0253	0	0	MIN	0	0
711	1	71	P-3C	TNS LOAD VERIF	711-586	3	71	APRVD	AFC 1245	1	72	MAX	1	1		
712	1	71	P-3A/B/C	SG-662 SPAR PWR	711-633	4	71	APRVD	AFC 0248	0	0	Avg	1	1		
713	3	71	P-3C	SONO CHUTE STOP	711-708	4	71	APRVD	AFC 0253	0	0	MIN	0	0		
713	3	71	P-3C	SONO CHUTE STOP	711-708R1	0	0	0	MULT CCB	AFC 0253	0	0	MIN	0	0	
714	3	71	P-3A/B/C	AQA-7 SOFT MT	721-003	0	0	0	APRVD	AFC 0253	0	0	Avg	1	0	
716	2	71	P-3A	APX-72 AC RELAY	711-794	0	0	0	APRVD	AFC 0197	3	71	MIN	0	0	
716	5	71	P-3A/B/C	LGT PROF FU CAP	721-073	8	71	APRVD	AFC 0260	0	0	Avg	1	0		
719	3	71	P-3C	SONO LAU FIL RT	711-709	4	71	APRVD	AFC 0254	0	0	Avg	1	0		
719	3	71	P-3C	SONO LAU FIL RT	711-709R1	0	0	0	MULT CCB	AFC 0254	0	0	MIN	0	0	
719	3	71	P-3C	SONO LAU FIL RT	711-709R2	0	0	0	MULT CCB	AFC 0254	0	0	MIN	0	0	

## ENGINEERING CHANGE PROPOSAL (ECP)

ECP NO.	LOCKHEED REV.	MONTH	YEAR	A/C	TYPE	DISCRIPTION	CHANGE CONTROL BOARD		TECHNICAL DIRECTIVE		IMPACT	
							NUMBER	MONTH	YEAR	ACTION	TYPE	
719	S1	3	71	P-3C	SONO LAU FIL RT	721-709R2	0	0	APRVD	AFC	0	MIN 1 1 0
722		6	71	P-3A/B/C	ELEV BOOSTER	721-110	9	71	APRVD	AFC	0265	0 0 0 0 0
723		6	71	P-3C	LLLTIV SPOT PROT	721-084	8	71	APRVD	AFC	0263	0 0 0 0 0
724		5	71	P-3C	ASN-64 CAPTR PR	721-015	0	0	APRVD	AFC	0	AVG 1 1 0
727		6	71	P-3C	ASA-65 GND WIRE	721-083	8	71	APRVD	AFC	0262	0 0 0 0 0
727		6	71	P-3C	ASA-65 GND WIRE	721-083R1	0	0	MULT CCB	AFC	0262	0 0 0 0 0
728		9	71	P-3C	SONO LAU RETENT	721-244	10	71	APRVD	AFC	0270	0 0 0 0 0
729		5	71	P-3A/B/C	AQH-4 PWR RESIS	721-031	7	71	APRVD	AFC	1291	0 0 0 0 0
730		6	71	P-3C	AILERON CABL GD	721-108	0	0	APRVD	AFC	0	AVG 0 0 0 0 0
737		6	71	P-3C	ACCEL COUNT GP	721-207	0	0	APRVD	AFC	0	AVG 0 0 0 0 0
738	CC	8	71	P-3C	APX-72 SEP GND	721-201	10	71	APRVD	AFC	0269	0 0 0 0 0
742		8	71	P-3C	LLLTIV ECA REV	721-249	10	71	APRVD	AFC	1321	0 0 0 0 0
747		6	71	P-3A/B/C	C-7617/AB-72	721-208	10	71	APRVD	AFC	0186	0 0 0 0 0
748		10	71	P-3C	AMB SEA NOISE M	721-357	0	0	APRVD	AFC	0	MAX 1 1 1 1 1
748		10	71	P-3A/B	AMB SEA NOISE M	721-185	0	0	APRVD	AFC	0	AVG 0 0 0 0 0
750		8	71	P-3C	REINSTATE RQMT	721-259R1	11	71	APRVD	AFC	0	AVG 1 1 1 1 1
756		11	71	P-3C	TACAN AIR DUCT	721-446	2	72	APRVD	AFC	0277	0 0 0 0 0
757		11	71	P-3C	NLG STEERING	721-476	0	0	APRVD	AFC	0	AVG 0 0 0 0 0
758		9	71	EP-3E	EP-3E BITS CHGS	721-186	10	71	APRVD	AFC	0	MIN 0 0 0 0 0
759		9	71	EP-3E	EP-3E BITS RECOM	721-320	12	71	APRVD	AFC	0274	0 0 0 0 0
760		9	71	EP-3E	ASN102 TO LTNS1	721-186R1	0	0	APRVD	AFC	0	MAX 0 0 0 0 0
763		11	71	P-3C	ASN-64 CARDS	721-298	11	71	APRVD	AFC	1330	0 0 0 0 0
763		11	71	P-3C	ASN-64 CARDS	721-298	11	71	MULT CCB	AFC	1331	0 0 0 0 0
764		11	71	P-3C	FU QTY 1 BEARING	721-413	2	72	APRVD	AFC	0	AVG 0 0 0 0 0
767		12	71	P-3C	TURB TEMP IND	721-467	0	0	APRVD	AFC	0	AVG 0 0 0 0 0
775		2	72	P-3C	COMM IMPROVNTS	721-387R1	0	0	APRVD	AFC	0	MAX 1 1 1 1 1
775		2	72	P-3C	COMM IMPROVNTS	722-311	0	0	APRVD	AFC	0	MAX 1 1 1 1 1
775		2	72	P-3C	COMM IMPROVNTS	721-387	1	72	APRVD	AFC	0	MAX 1 1 1 1 1

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER 1100-01-1-1197	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) ECP TREND ANALYSIS		5. TYPE OF REPORT & PERIOD COVERED
		6. PERFORMING ORG. REPORT NUMBER 1100-01-1-1197
7. AUTHOR(s) Robert A. Smith Thomas C. Hensler		8. CONTRACT OR GRANT NUMBER(s) N00019-73-C-0080
9. PERFORMING ORGANIZATION NAME AND ADDRESS ARINC Research Corp. 2551 Riva Road Annapolis, Maryland 21401		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS NAVAL AIR SYSTEMS COMMAND, PMA-240 WASHINGTON, D.C.		12. REPORT DATE December 1972
		13. NUMBER OF PAGES 18
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) NAVAL AIR SYSTEMS COMMAND, PMA-240 WASHINGTON, D.C.		15. SECURITY CLASS. (of this report) UNCLASSIFIED
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report)  UNCLASSIFIED/UNLIMITED		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number)  This report presents the results of a study to determine if any relationships exist between logistics elements and Engineering Change Proposals (ECP). ECPs were analyzed and logistics impact was assessed. The costs associated with ECPs were also investigated.		

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CHAPTER 10

### roirs, bivalves, et fougères

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JONES, Franklin, attorney

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